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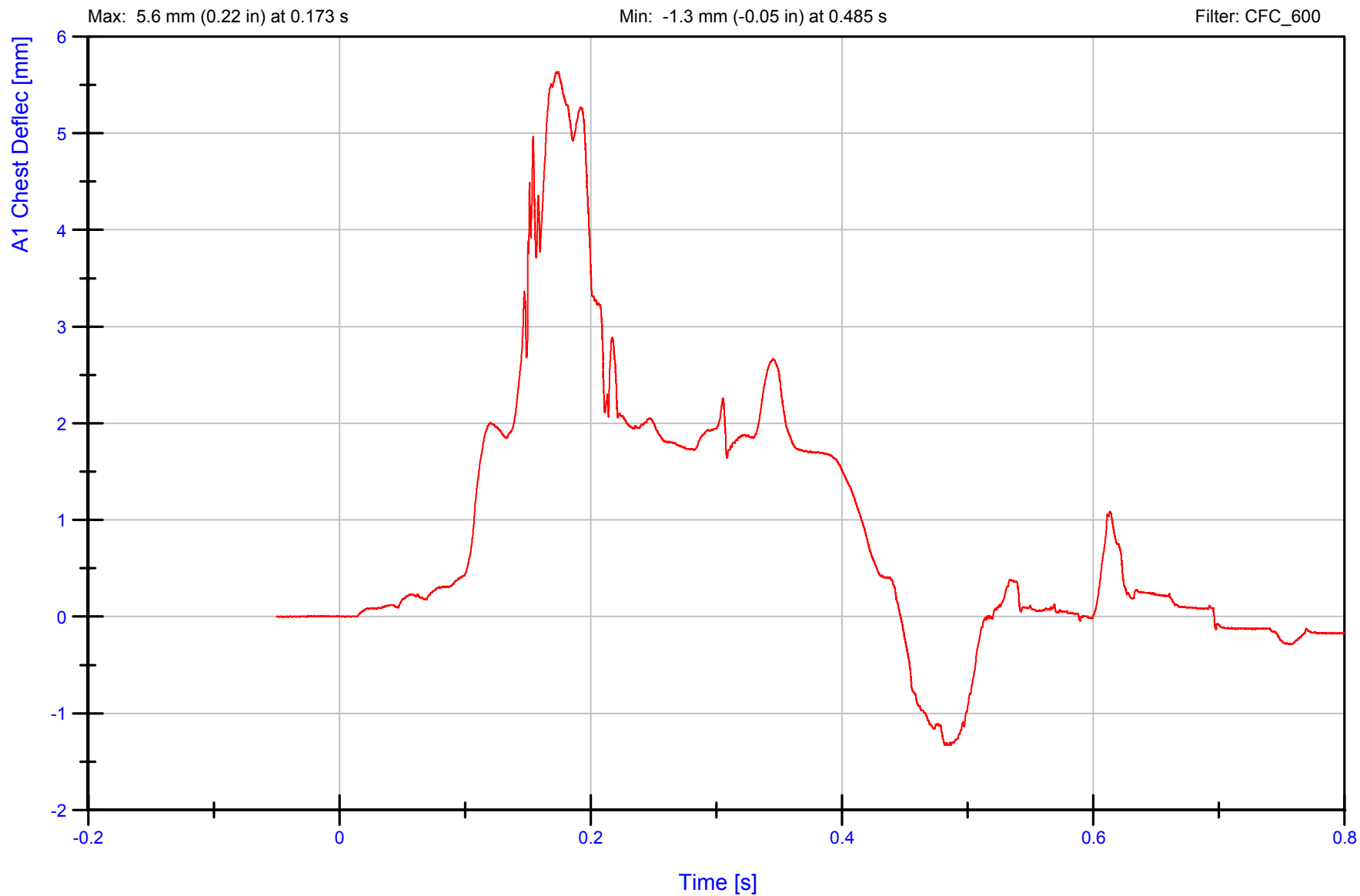
Test ID: CTR03813-001

Test Date: 16-Nov-2009

Title: A1 CHEST DEFLECTION

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R6 Aisle - European





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Test ID: CTR03813-001

Test Date: 16-Nov-2009

Title: A1 FEMUR LOADS

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R6 Aisle - European

— A1 Femur Left Max: 495.2 N (111.3 lbf) at 0.095 s

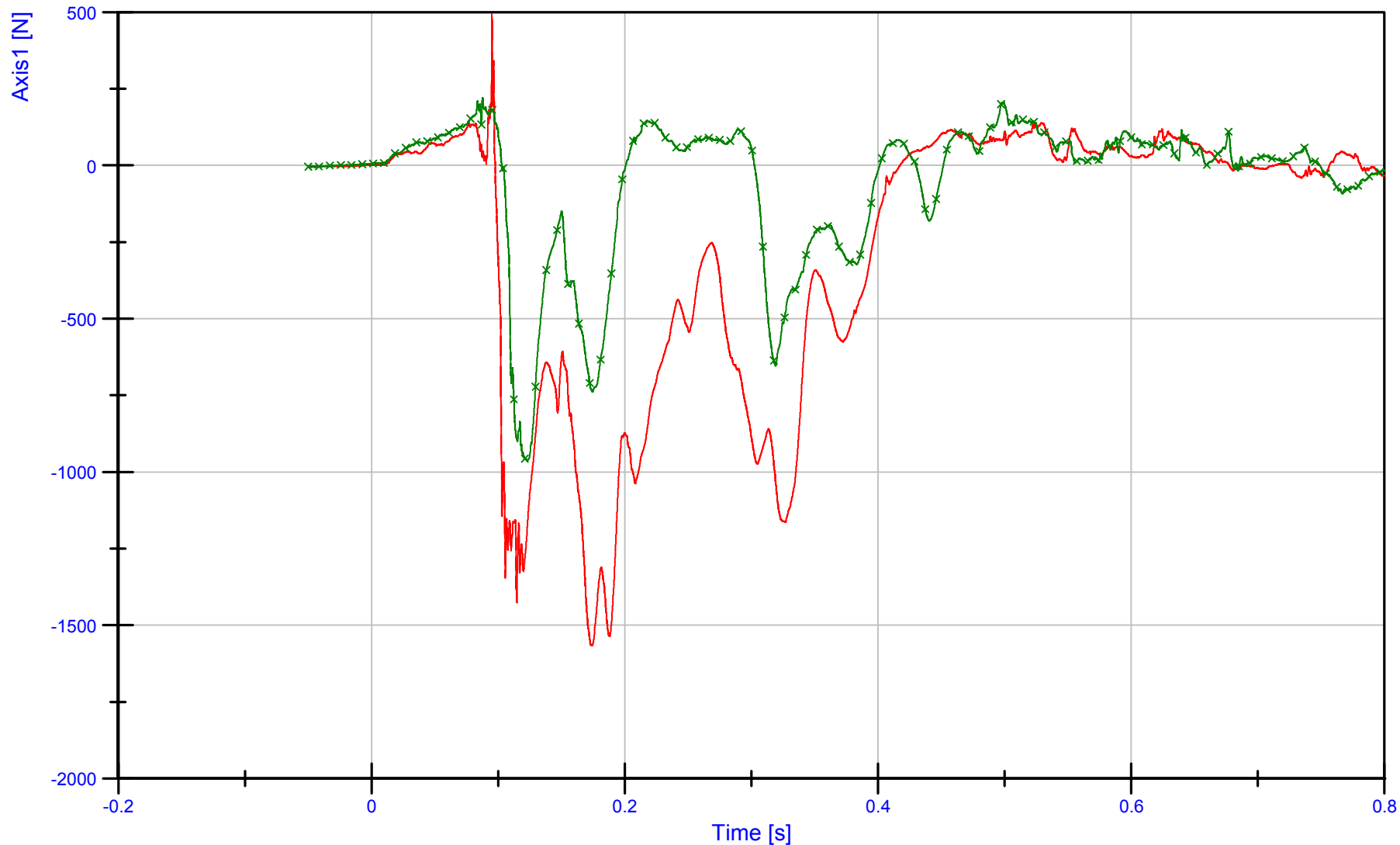
Min: -1566.8 N (-352.2 lbf) at 0.174 s

Filter: CFC_600

—* A1 Femur Right Max: 221.9 N (49.9 lbf) at 0.088 s

Min: -963.5 N (-216.6 lbf) at 0.123 s

Filter: CFC_600





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Test ID: CTR03813-001

Title: A1 HEAD RESULTANT (HIC36)

Test Date: 16-Nov-2009

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R6 Aisle - European

HIC36: 1485.06

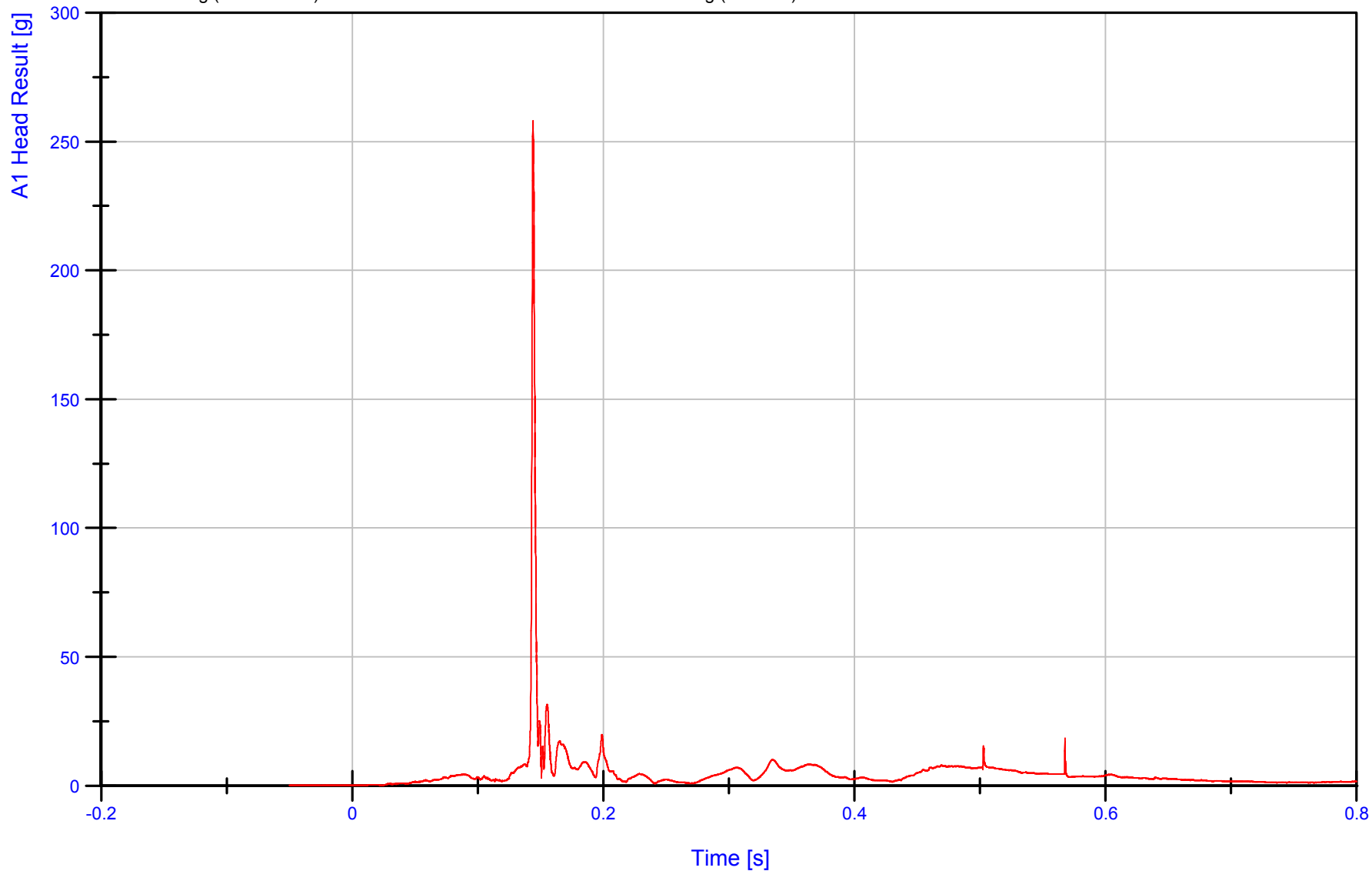
Begin / End (ms): 143.10 / 145.80

Duration: 2.70 ms

Max: 258.0 g (2530.5 m/s²) at 0.144 s

Min: 0.1 g (0.9 m/s²) at -0.045 s

Filter: None





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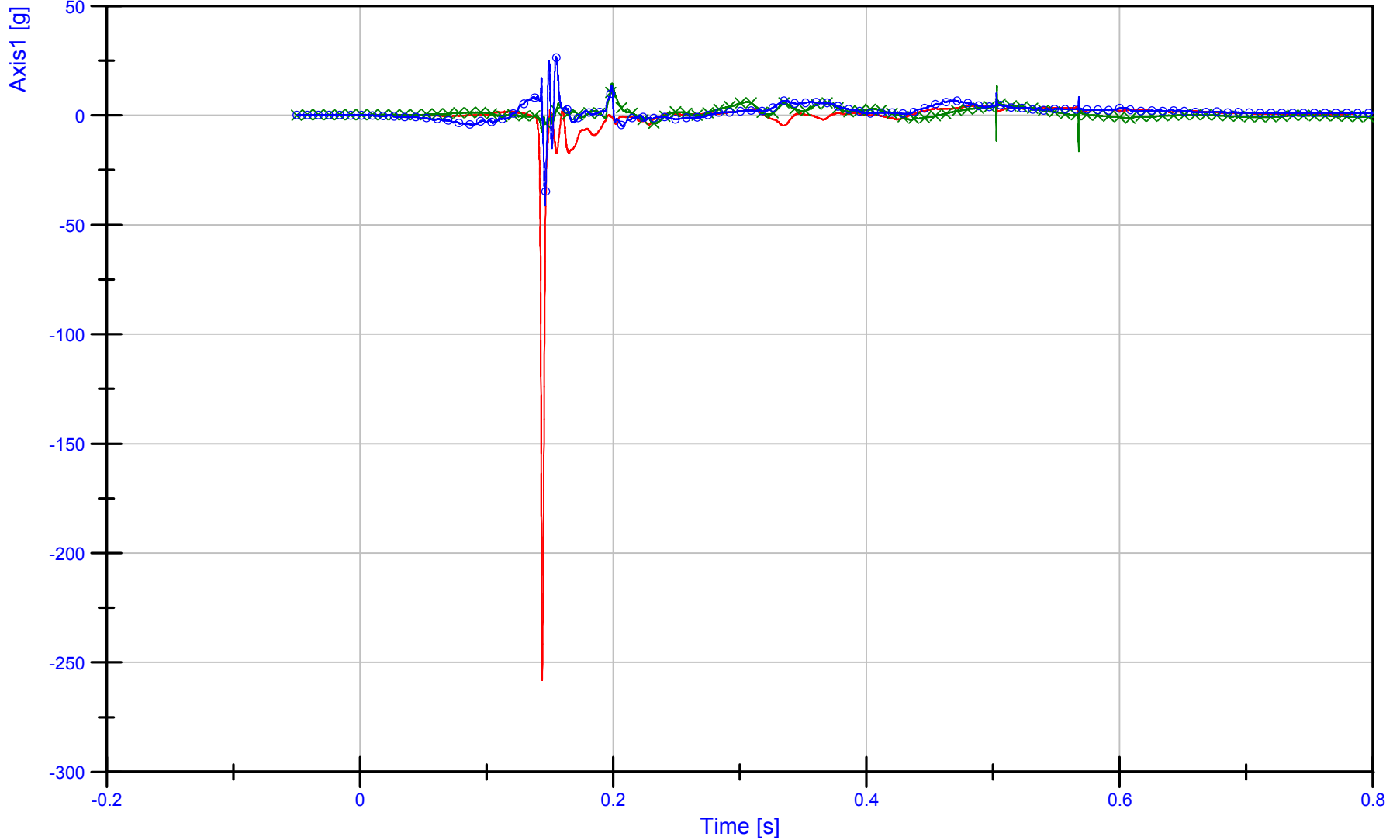
Test Date: 16-Nov-2009

Title: A1 HEAD XYZ

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R6 Aisle - European

— A1 Head X	Max: 4.5 g (44.5 m/s ²) at 0.487 s	Min: -258.0 g (-2529.9 m/s ²) at 0.144 s	Filter: CFC_1000
— A1 Head Y	Max: 14.6 g (142.8 m/s ²) at 0.199 s	Min: -16.6 g (-162.3 m/s ²) at 0.568 s	Filter: CFC_1000
— A1 Head Z	Max: 26.8 g (263.1 m/s ²) at 0.155 s	Min: -41.2 g (-403.7 m/s ²) at 0.146 s	Filter: CFC_1000





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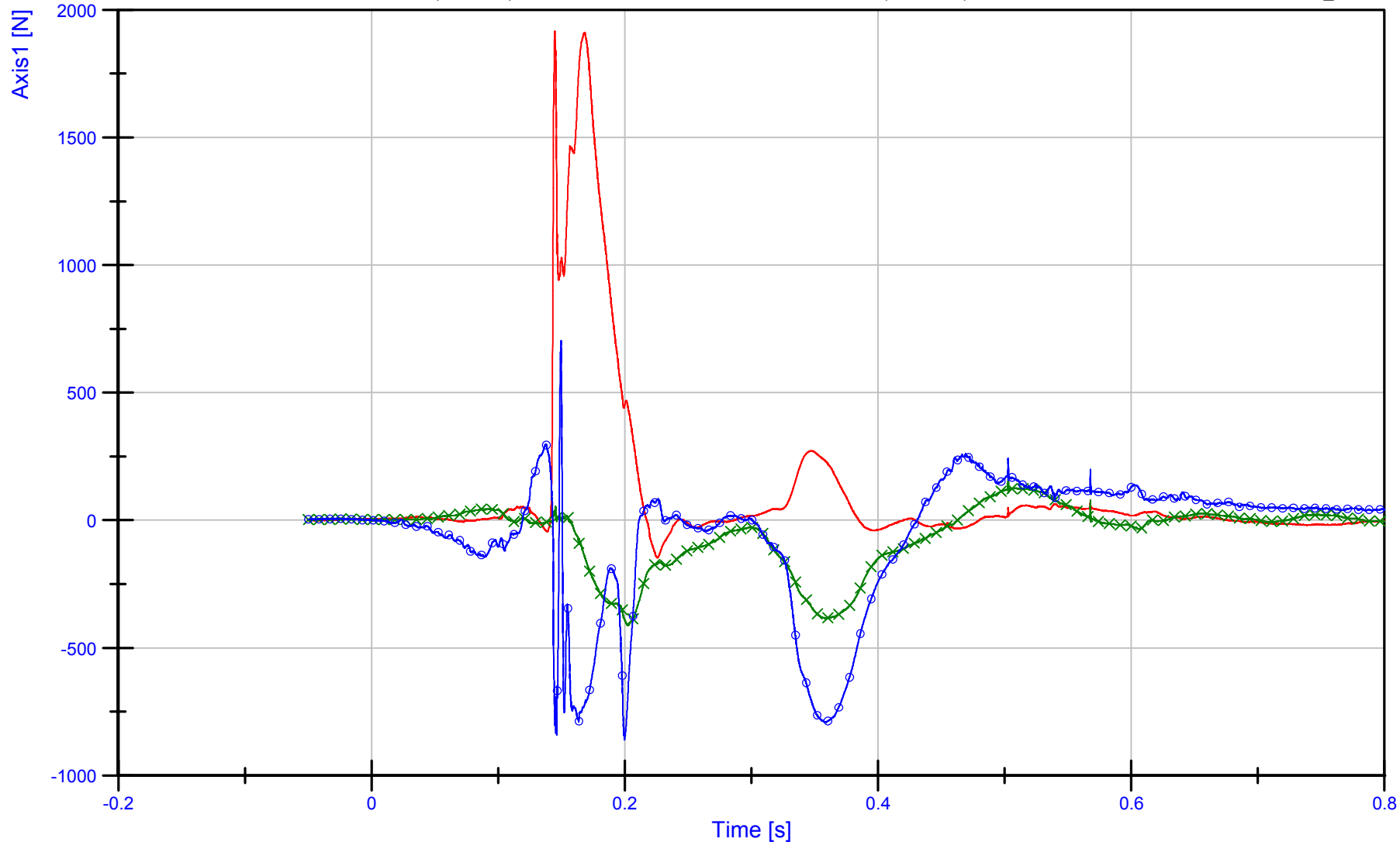
Test Date: 16-Nov-2009

Title: A1 NECK FORCES

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R6 Aisle - European

A1 Neck FX	Max: 1916.8 N (430.9 lbf) at 0.145 s	Min: -145.9 N (-32.8 lbf) at 0.226 s	Filter: CFC_1000
A1 Neck FY	Max: 192.5 N (43.3 lbf) at 0.503 s	Min: -411.9 N (-92.6 lbf) at 0.203 s	Filter: CFC_1000
A1 Neck FZ	Max: 703.1 N (158.1 lbf) at 0.150 s	Min: -860.4 N (-193.4 lbf) at 0.200 s	Filter: CFC_1000





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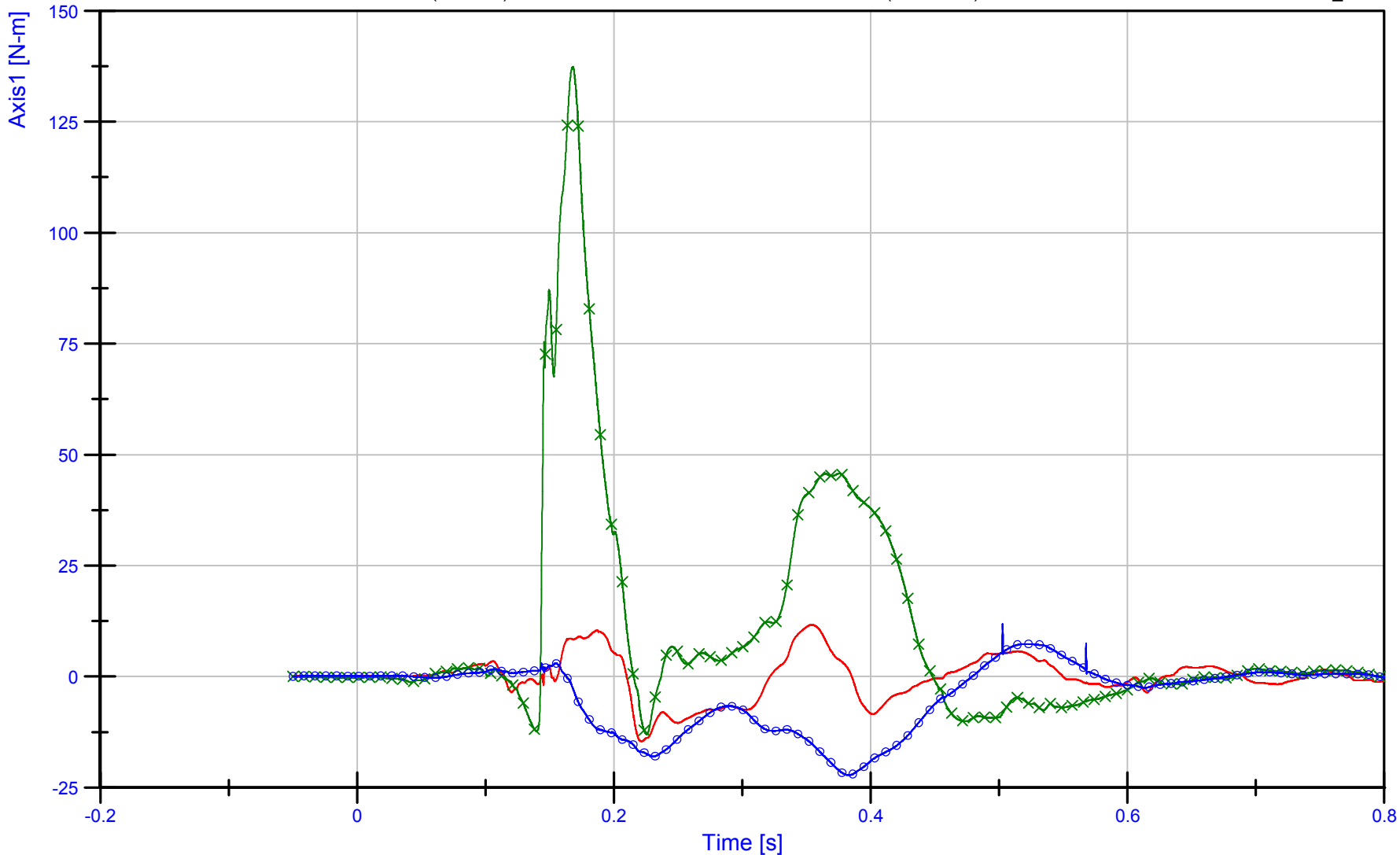
Test Date: 16-Nov-2009

Title: A1 NECK MOMENTS

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R6 Aisle - European

— A1 Neck MX	Max: 11.6 N-m (8.6 lbf-ft) at 0.354 s	Min: -14.7 N-m (-10.8 lbf-ft) at 0.222 s	Filter: CFC_600
— A1 Neck MY	Max: 137.4 N-m (101.3 lbf-ft) at 0.168 s	Min: -13.0 N-m (-9.6 lbf-ft) at 0.226 s	Filter: CFC_600
— A1 Neck MZ	Max: 11.9 N-m (8.7 lbf-ft) at 0.503 s	Min: -22.2 N-m (-16.4 lbf-ft) at 0.384 s	Filter: CFC_600





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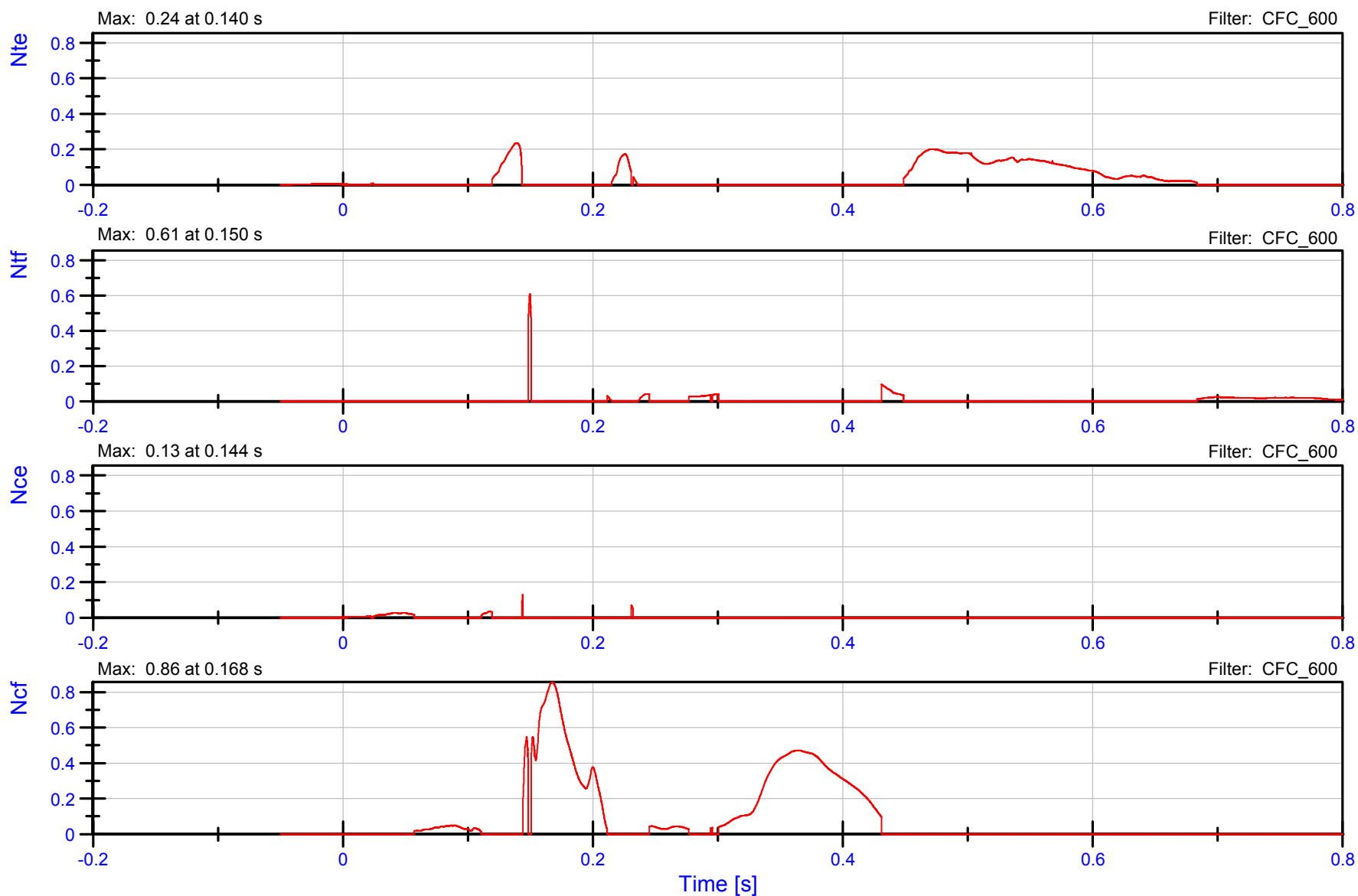
Test ID: CTR03813-001

Test Date: 16-Nov-2009

Title: A1 NECK NIJ

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R6 Aisle - European





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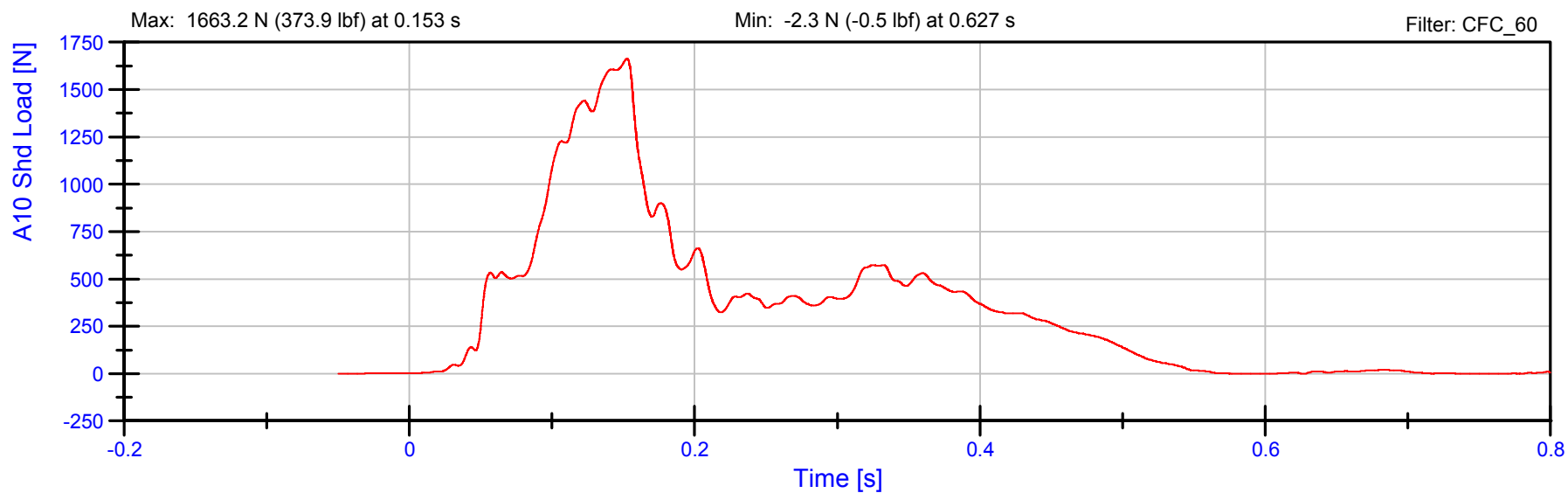
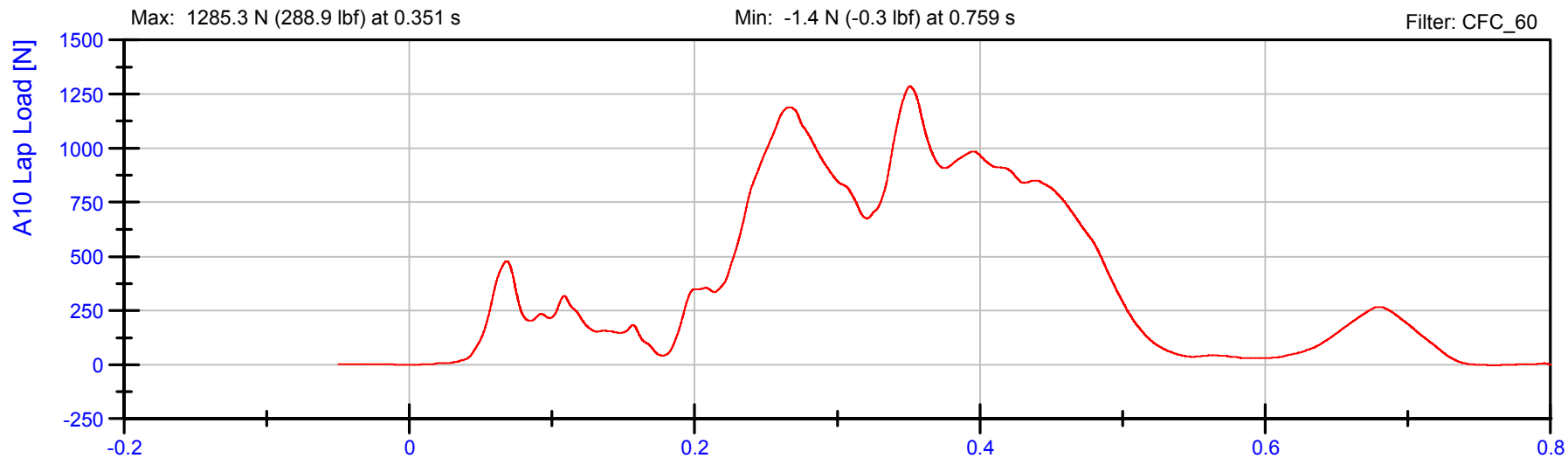
Test ID: CTR03813-001

Test Date: 16-Nov-2009

Title: A10 BELT LOADS

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R4 Wall - European





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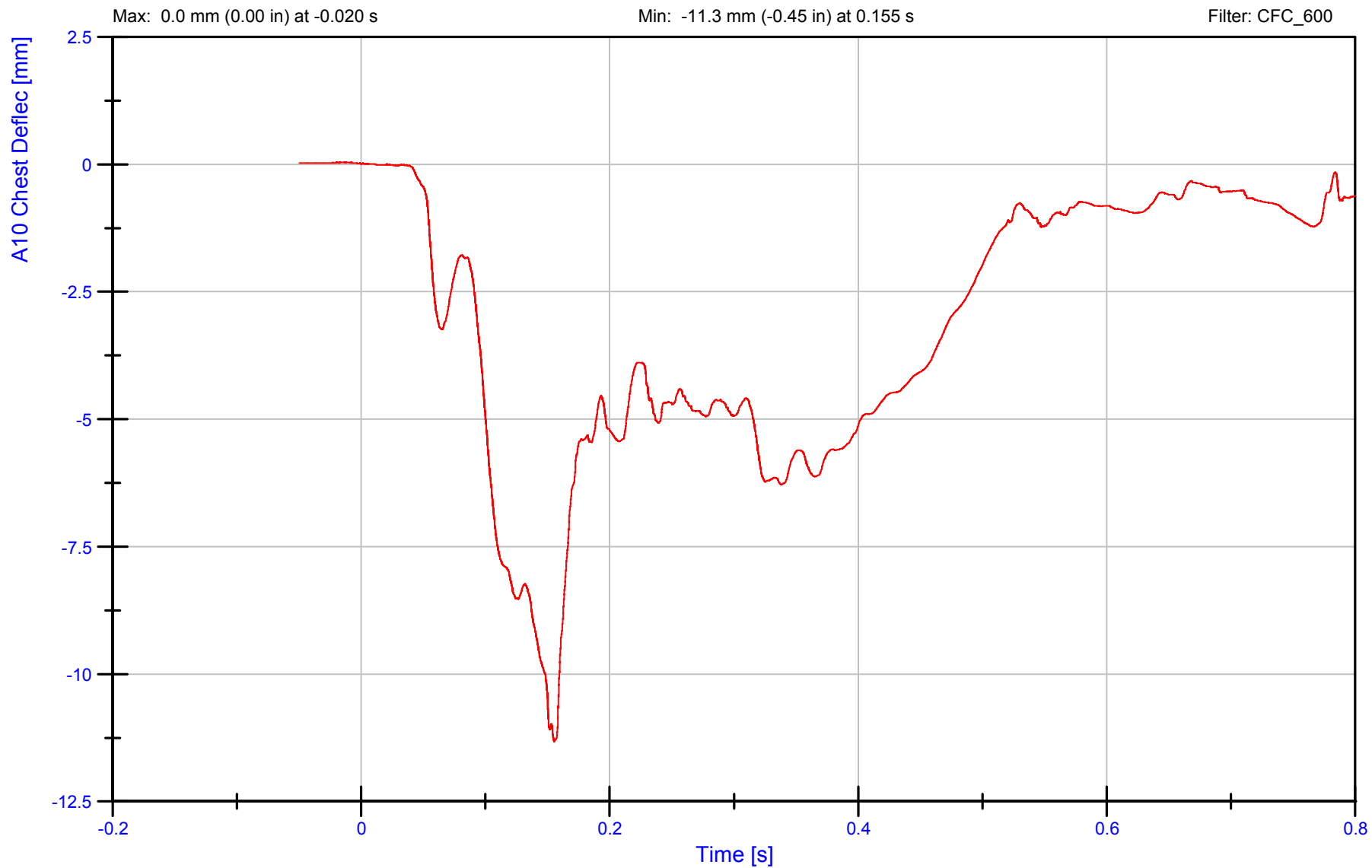
Test ID: CTR03813-001

Test Date: 16-Nov-2009

Title: A10 CHEST DEFLECTION

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R4 Wall - European





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Test ID: CTR03813-001
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Title: A10 FEMUR LOADS
Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D
ATD Position: R4 Wall - European

— A10 Femur Left Max: 512.9 N (115.3 lbf) at 0.109 s

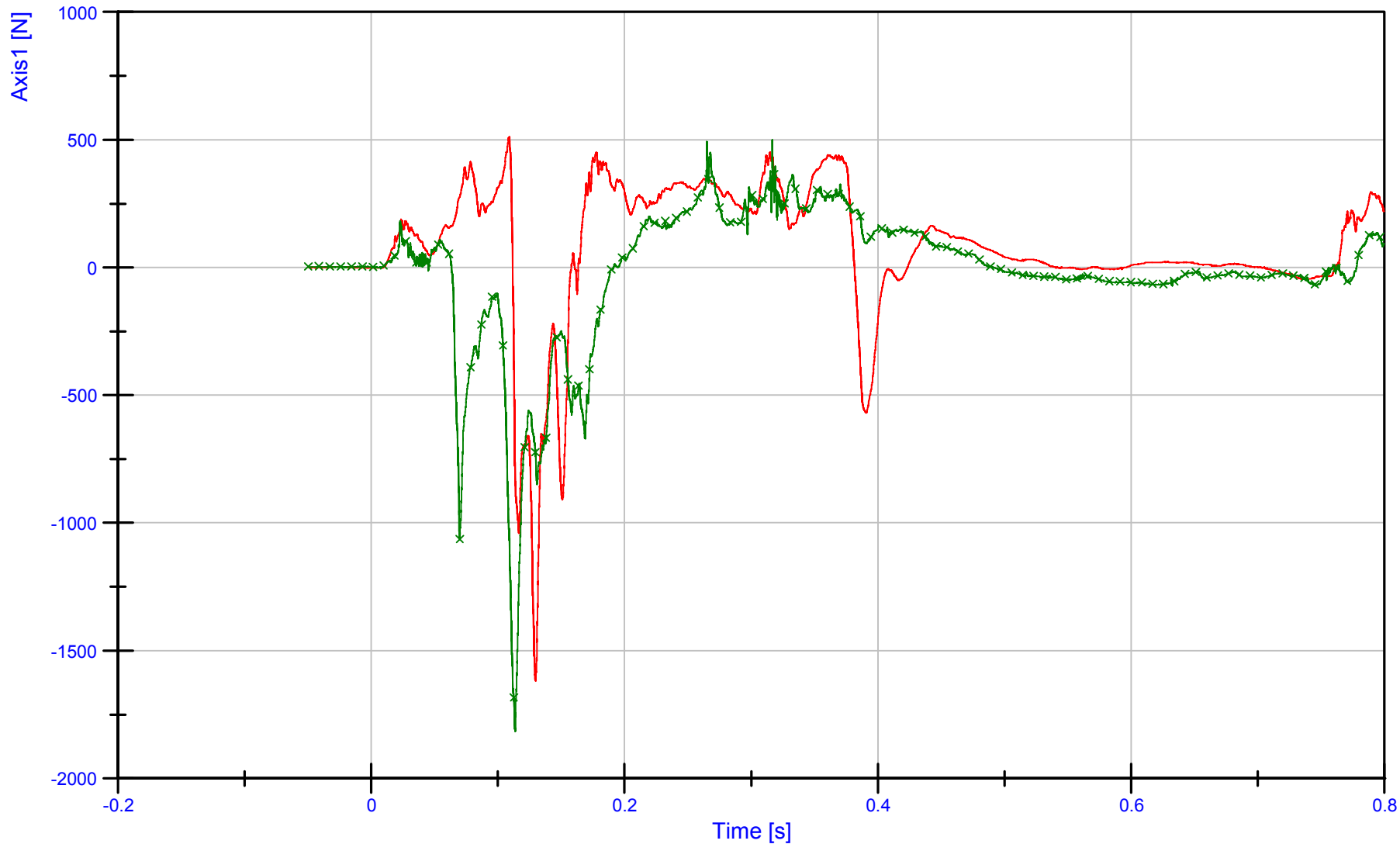
Min: -1618.9 N (-364.0 lbf) at 0.130 s

Filter: CFC_600

—* A10 Femur Right Max: 498.9 N (112.2 lbf) at 0.317 s

Min: -1817.2 N (-408.5 lbf) at 0.114 s

Filter: CFC_600





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Test ID: CTR03813-001

Test Date: 16-Nov-2009

Title: A10 HEAD RESULTANT (HIC36)

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R4 Wall - European

HIC36: 171.61

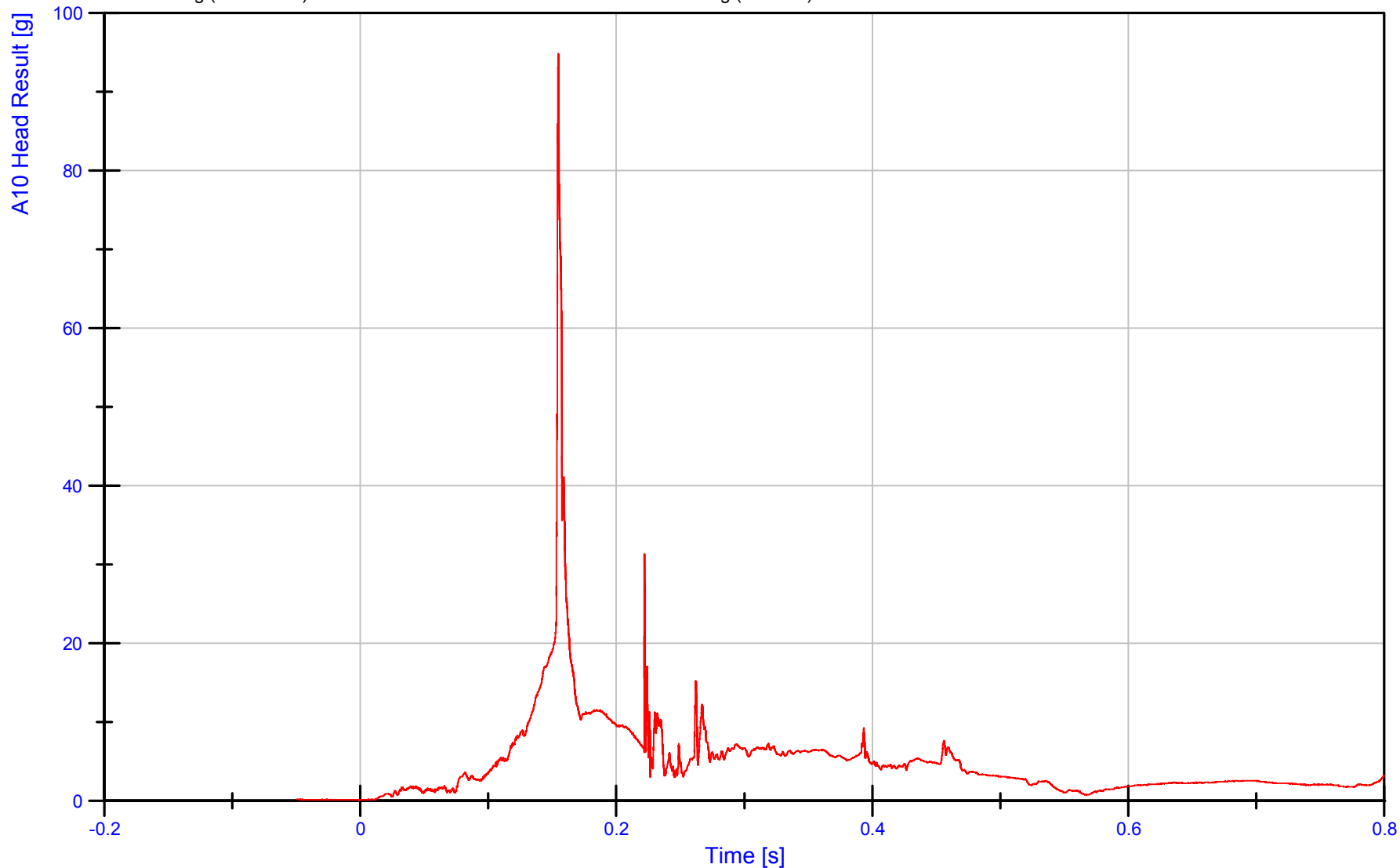
Begin / End (ms): 153.60 / 157.40

Duration: 3.80 ms

Max: 94.8 g (929.9 m/s²) at 0.155 s

Min: 0.1 g (0.8 m/s²) at -0.001 s

Filter: None



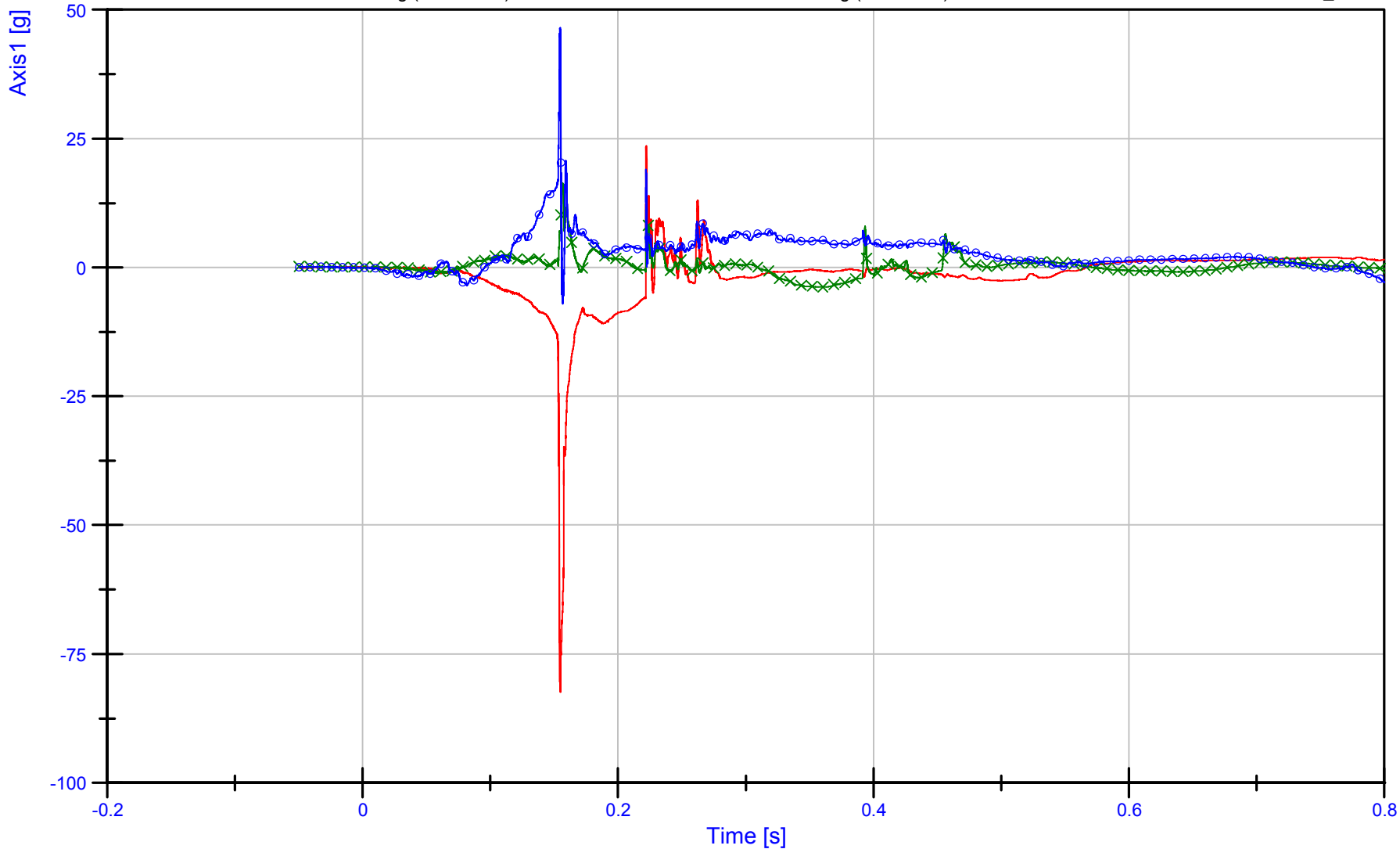


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Test ID: CTR03813-001
Test Date: 16-Nov-2009

Title: A10 HEAD XYZ
Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D
ATD Position: R4 Wall - European

— A10 Head X	Max: 23.7 g (232.0 m/s ²) at 0.222 s	Min: -82.4 g (-808.0 m/s ²) at 0.155 s	Filter: CFC_1000
× A10 Head Y	Max: 16.3 g (160.1 m/s ²) at 0.156 s	Min: -3.8 g (-37.3 m/s ²) at 0.362 s	Filter: CFC_1000
○ A10 Head Z	Max: 46.6 g (456.7 m/s ²) at 0.155 s	Min: -7.1 g (-69.3 m/s ²) at 0.157 s	Filter: CFC_1000



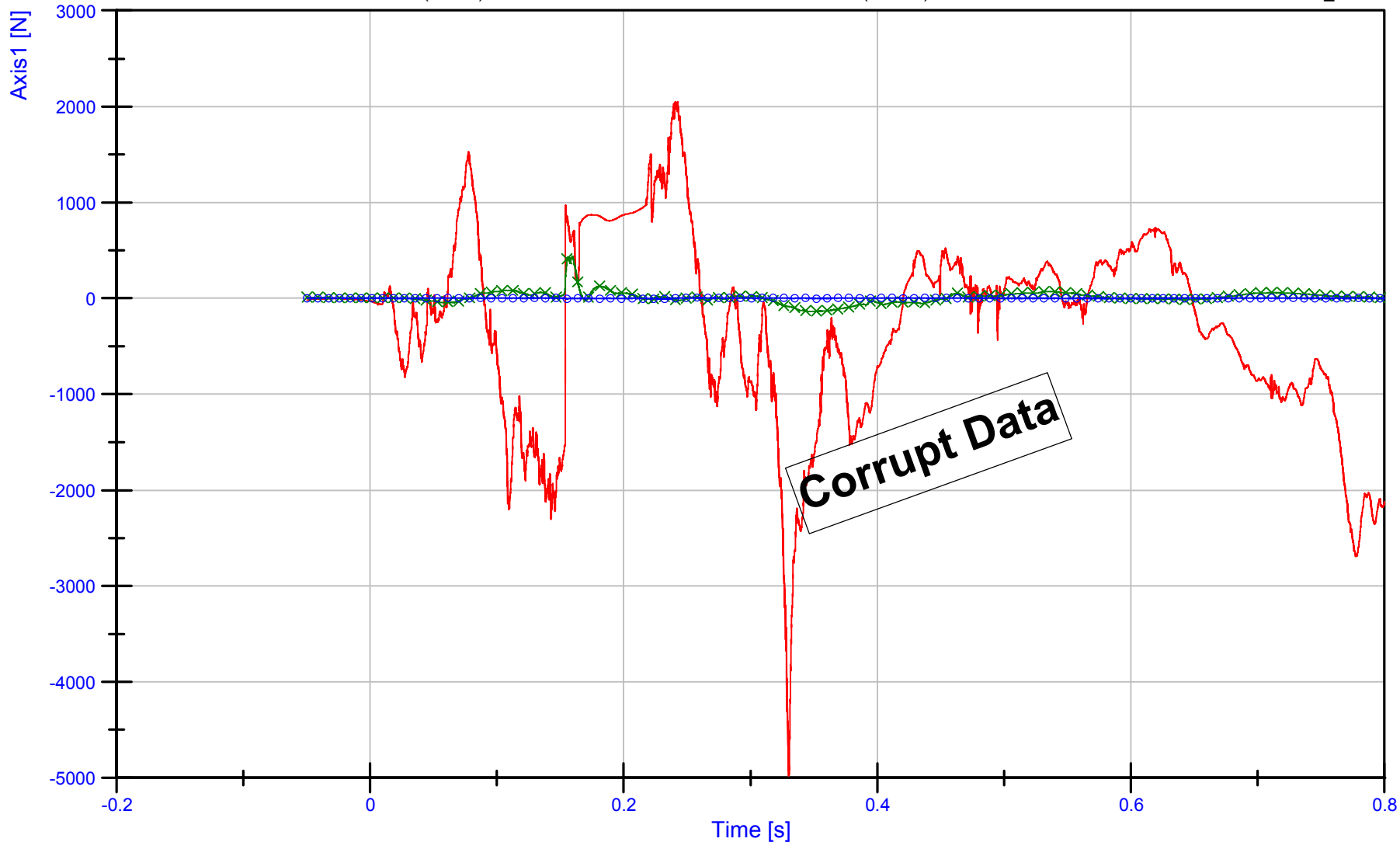


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Test ID: CTR03813-001
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Title: A10 NECK FORCES
Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D
ATD Position: R4 Wall - European

A10 Neck FX	Max: 2052.8 N (461.5 lbf) at 0.241 s	Min: -4976.0 N (-1118.6 lbf) at 0.330 s	Filter: CFC_1000
A10 Neck FY	Max: 436.7 N (98.2 lbf) at 0.159 s	Min: -137.5 N (-30.9 lbf) at 0.348 s	Filter: CFC_1000
A10 Neck FZ	Max: 14.7 N (3.3 lbf) at 0.272 s	Min: -8.5 N (-1.9 lbf) at 0.155 s	Filter: CFC_1000





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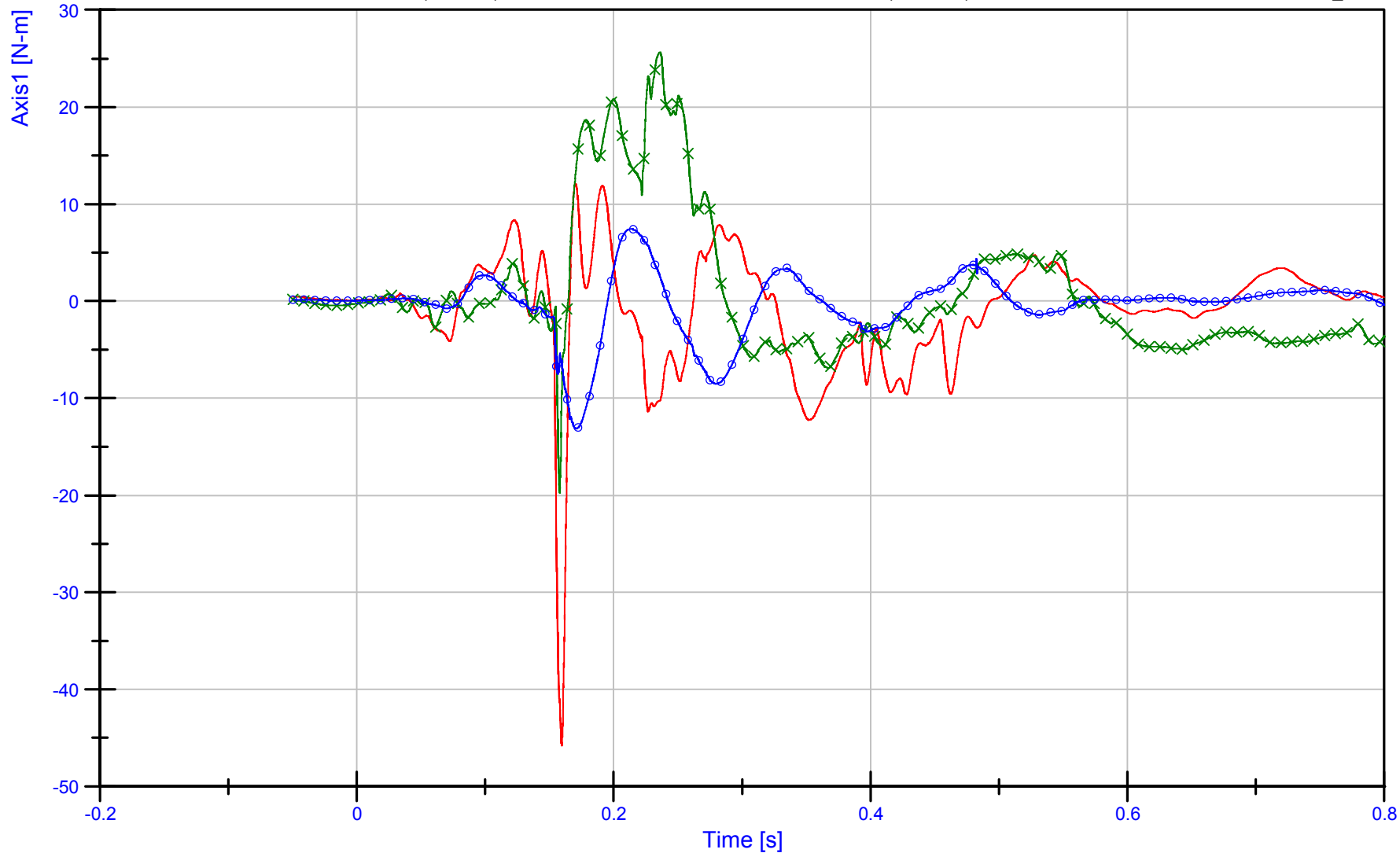
Test Date: 16-Nov-2009

Title: A10 NECK MOMENTS

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R4 Wall - European

— A10 Neck MX	Max: 12.1 N-m (8.9 lbf-ft) at 0.170 s	Min: -45.8 N-m (-33.8 lbf-ft) at 0.160 s	Filter: CFC_600
—x— A10 Neck MY	Max: 25.7 N-m (18.9 lbf-ft) at 0.236 s	Min: -19.8 N-m (-14.6 lbf-ft) at 0.158 s	Filter: CFC_600
—o— A10 Neck MZ	Max: 7.4 N-m (5.5 lbf-ft) at 0.214 s	Min: -13.1 N-m (-9.7 lbf-ft) at 0.171 s	Filter: CFC_600

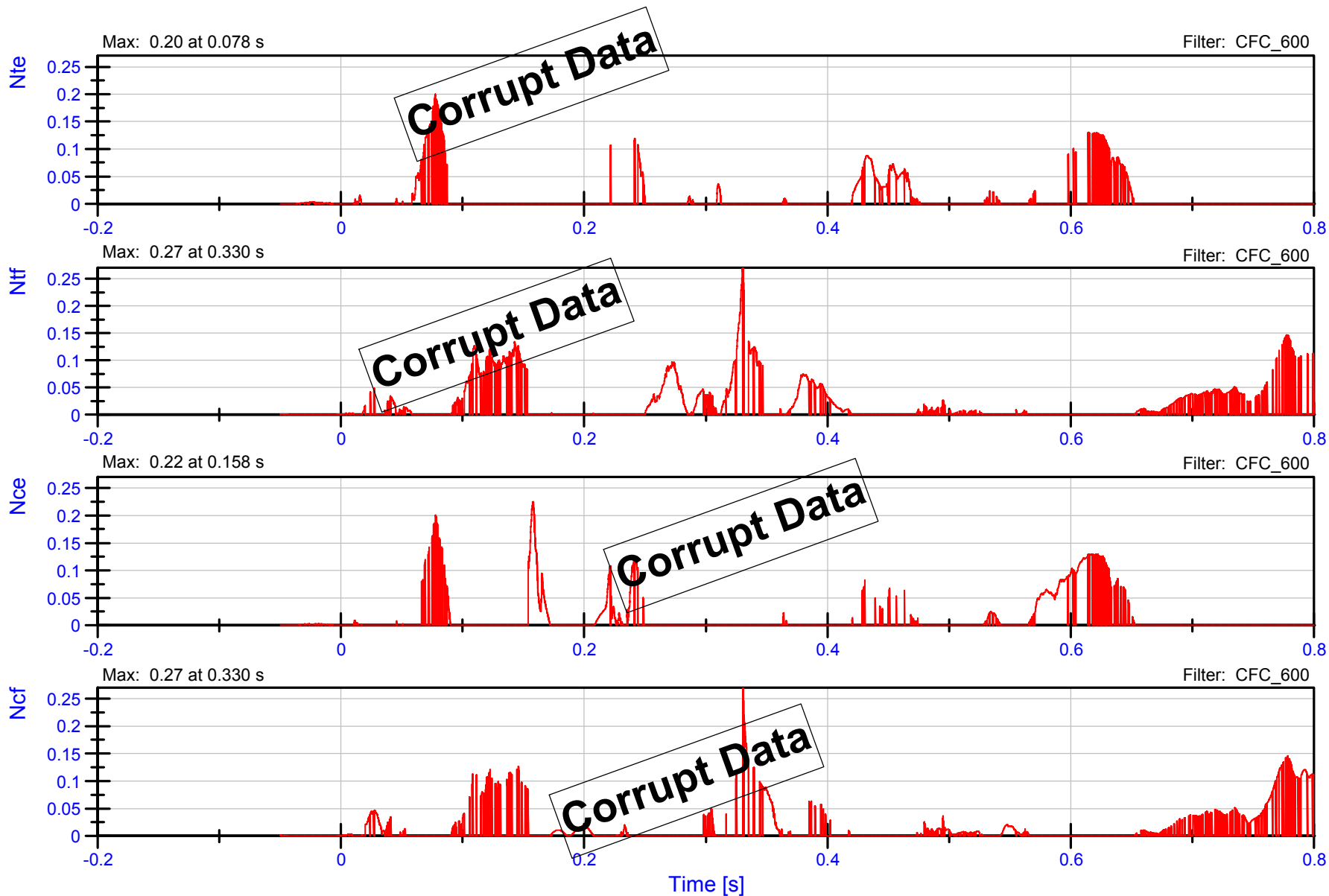




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Test ID: CTR03813-001
Test Date: 16-Nov-2009

Title: A10 NECK NIJ
Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D
ATD Position: R4 Wall - European





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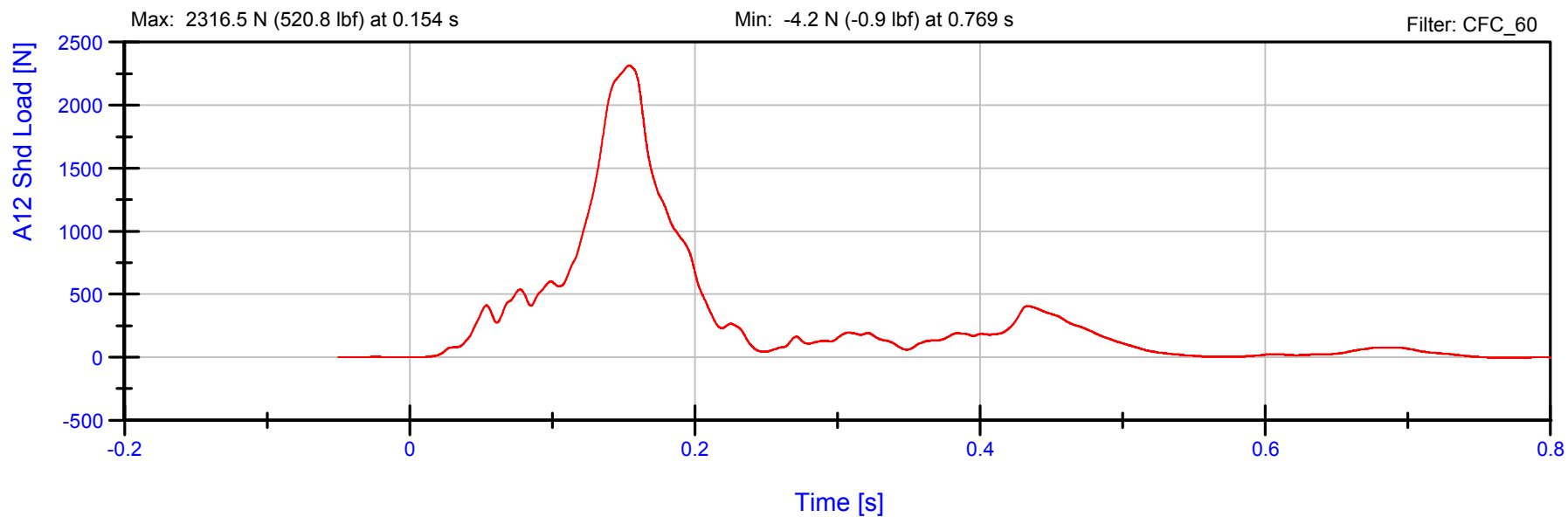
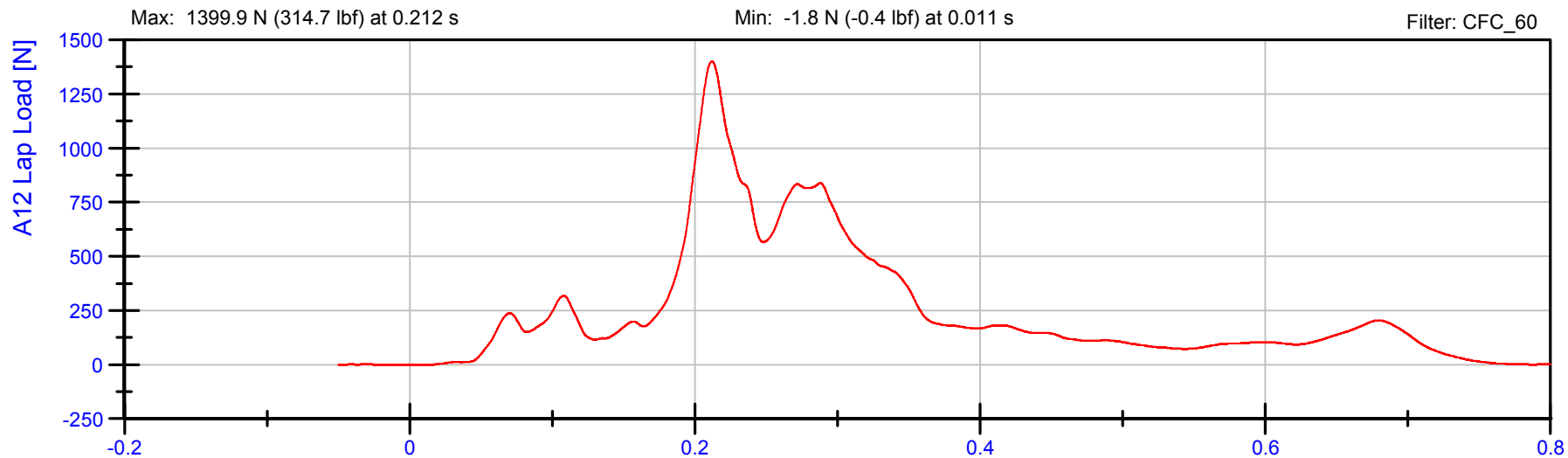
Test ID: CTR03813-001

Test Date: 16-Nov-2009

Title: A12 BELT LOADS

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R4 Aisle - European





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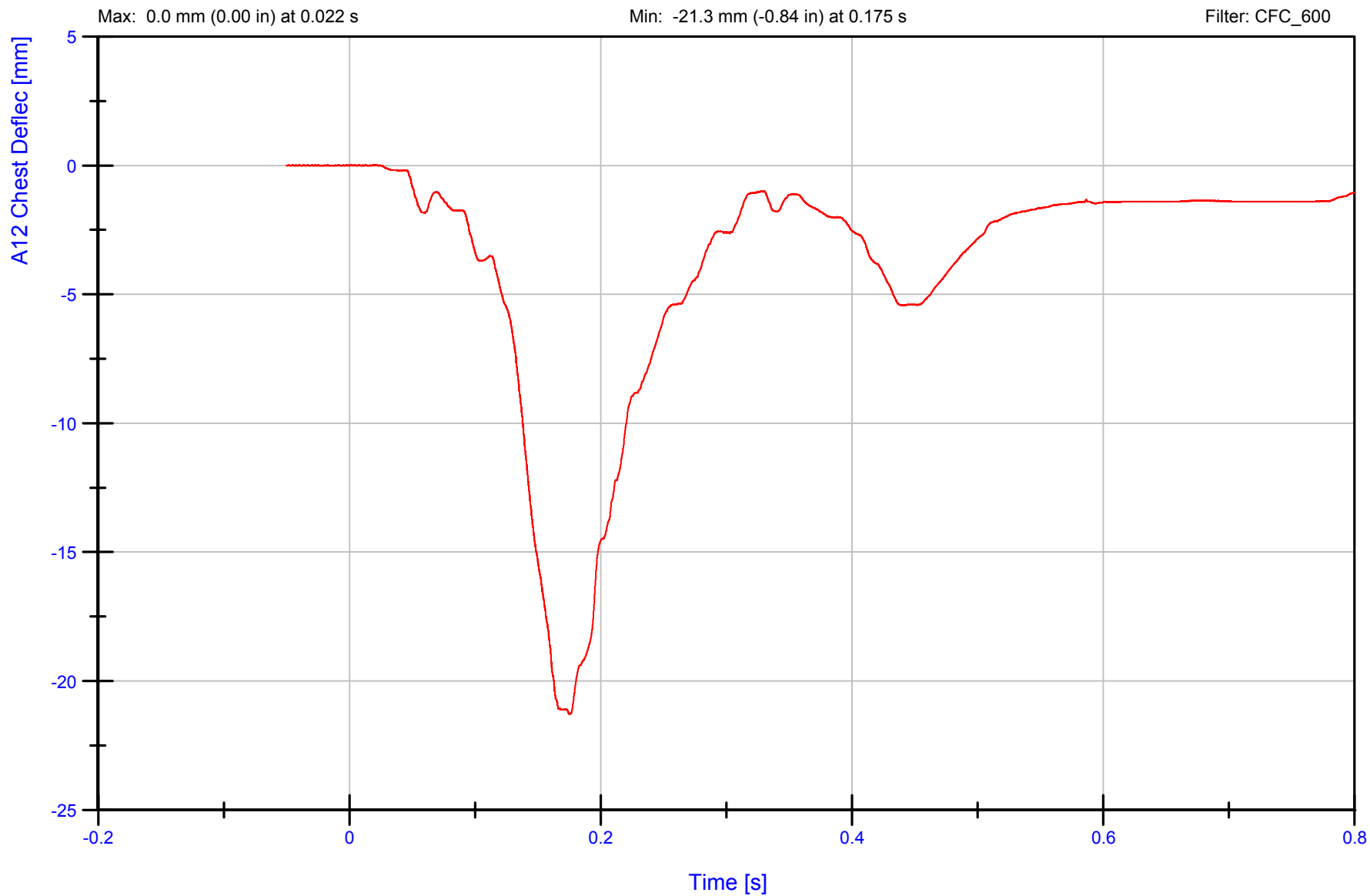
Test ID: CTR03813-001

Test Date: 16-Nov-2009

Title: A12 CHEST DEFLECTION

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R4 Aisle - European





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Test ID: CTR03813-001

Test Date: 16-Nov-2009

Title: A12 FEMUR LOADS

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R4 Aisle - European

— A12 Femur Left Max: 6193.5 N (1392.4 lbf) at 0.178 s

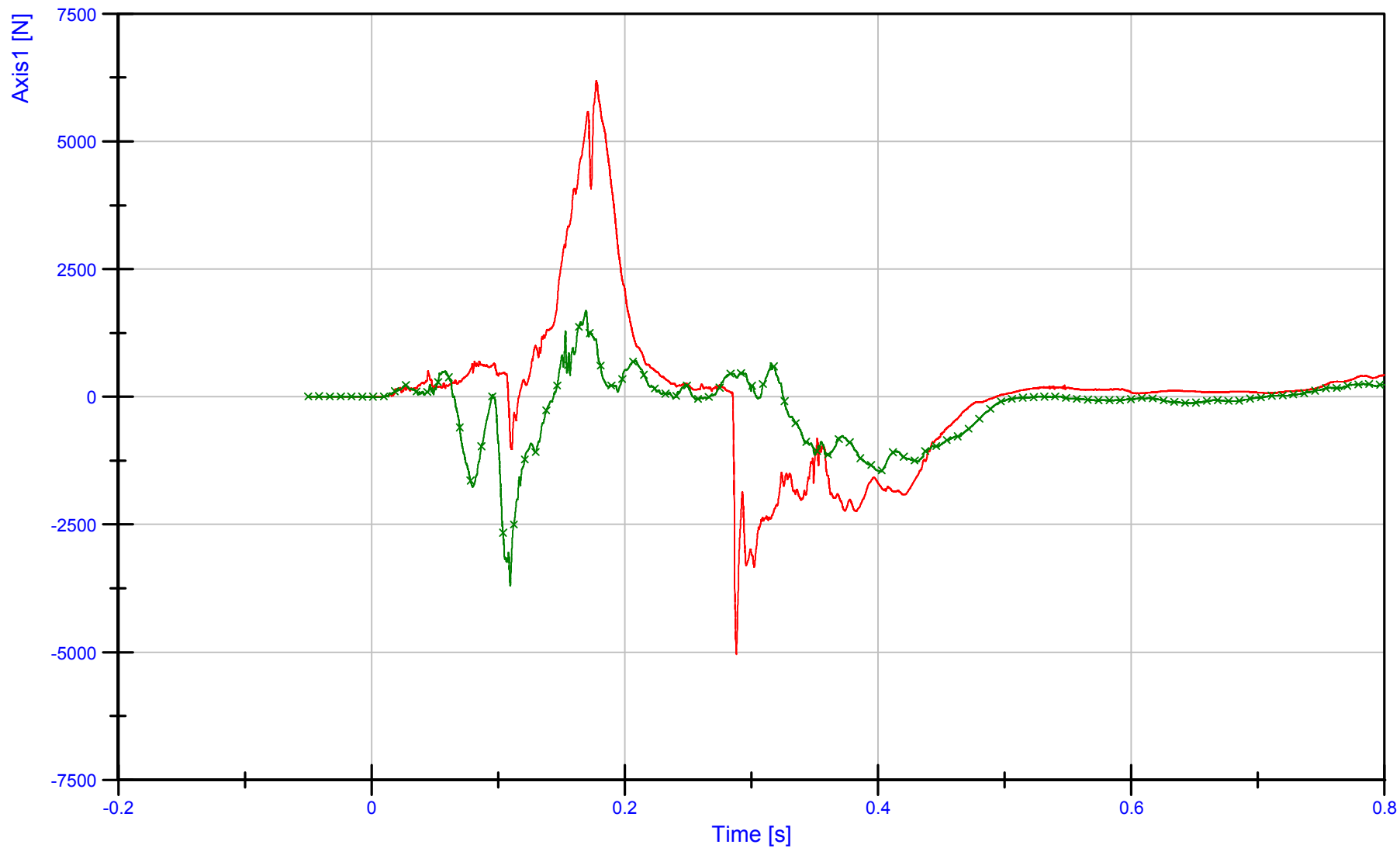
Min: -5043.6 N (-1133.8 lbf) at 0.288 s

Filter: CFC_600

—* A12 Femur Right Max: 1687.8 N (379.4 lbf) at 0.169 s

Min: -3696.0 N (-830.9 lbf) at 0.110 s

Filter: CFC_600





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Test ID: CTR03813-001

Title: A12 HEAD RESULTANT (HIC36)

Test Date: 16-Nov-2009

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R4 Aisle - European

HIC36: 1064.89

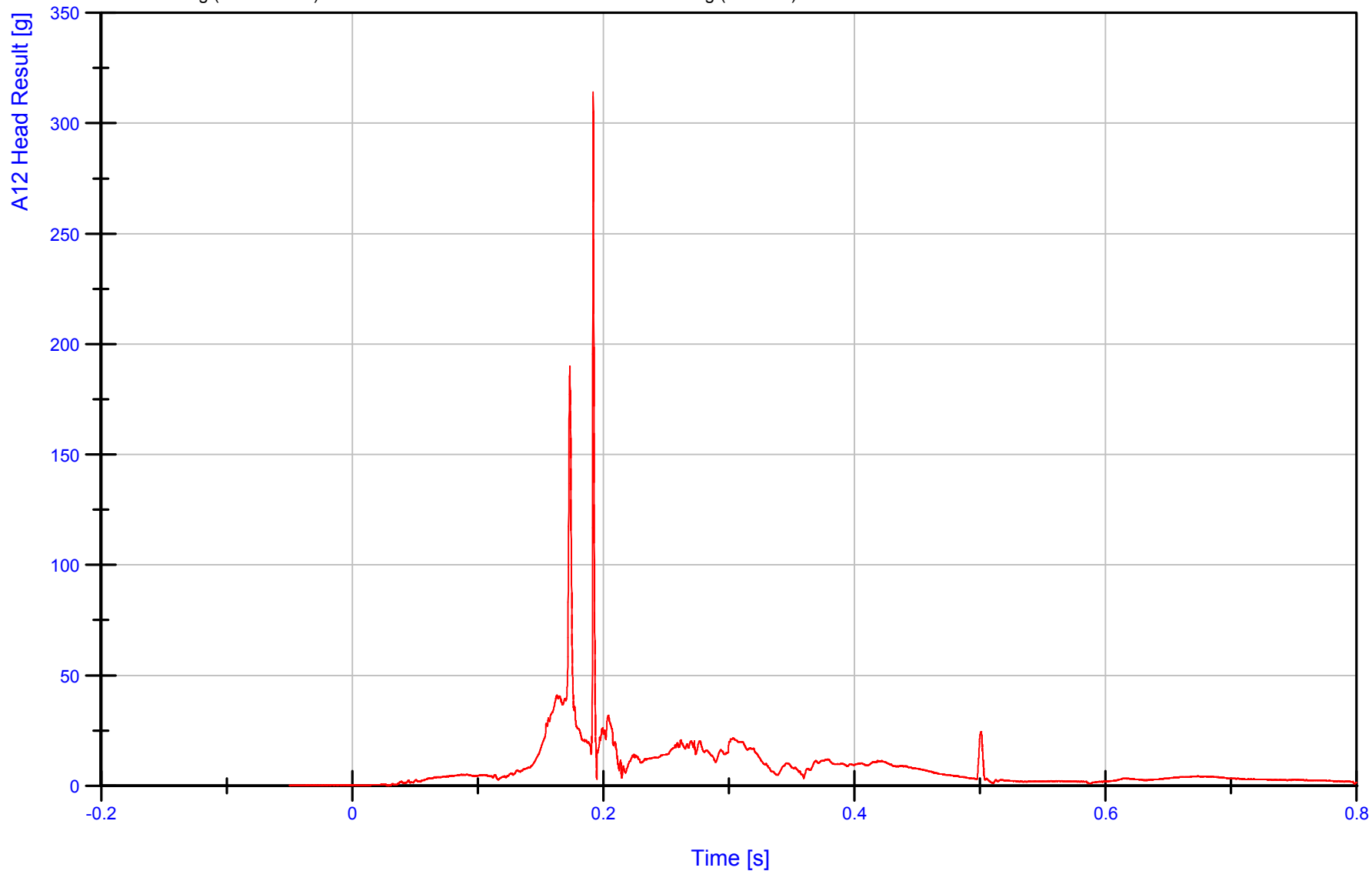
Begin / End (ms): 191.50 / 192.65

Duration: 1.15 ms

Max: 314.2 g (3081.3 m/s²) at 0.192 s

Min: 0.1 g (0.8 m/s²) at -0.049 s

Filter: None





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Test ID: CTR03813-001

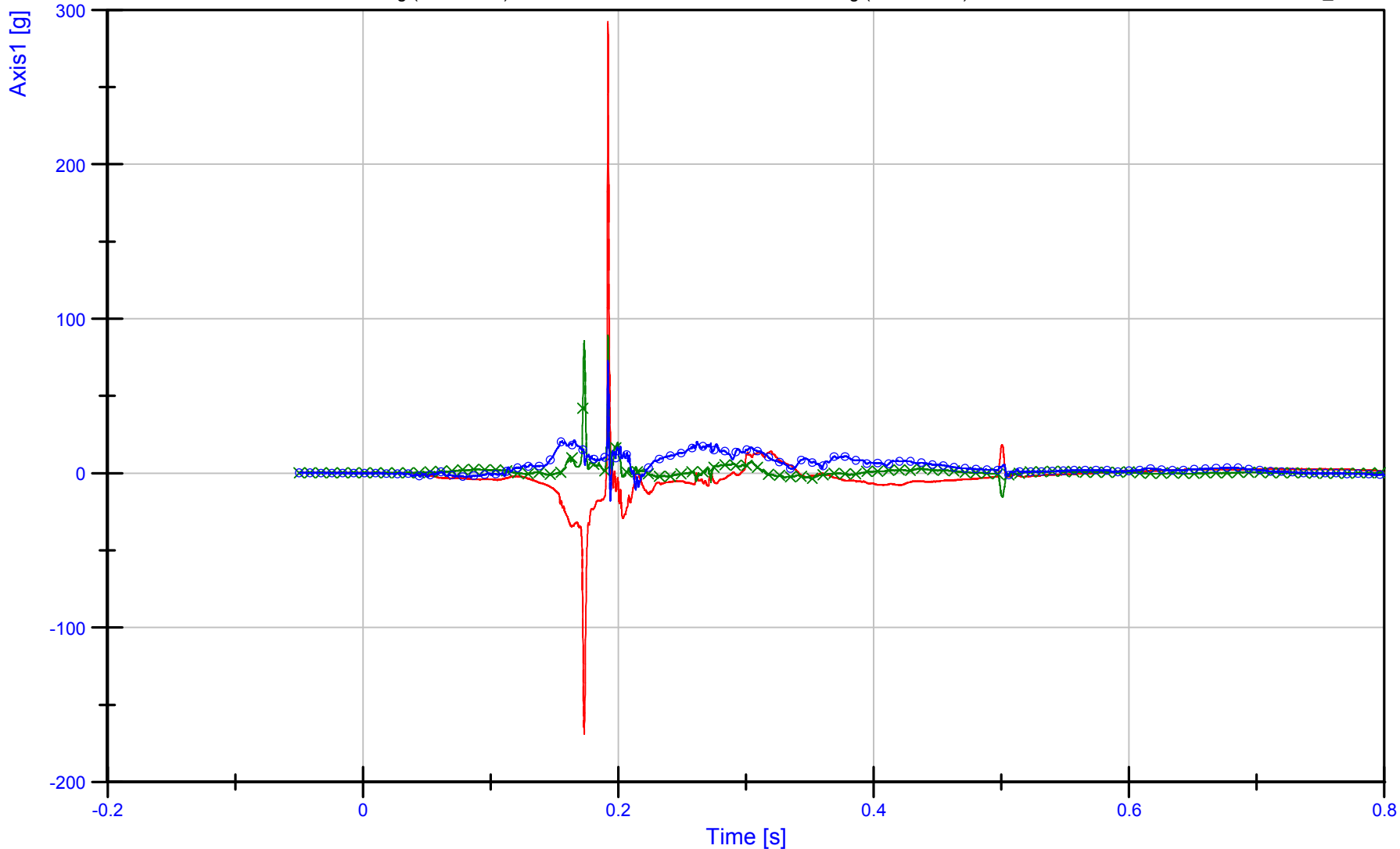
Test Date: 16-Nov-2009

Title: A12 HEAD XYZ

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R4 Aisle - European

— A12 Head X	Max: 292.6 g (2869.3 m/s ²) at 0.192 s	Min: -169.1 g (-1658.2 m/s ²) at 0.173 s	Filter: CFC_1000
× A12 Head Y	Max: 89.5 g (877.3 m/s ²) at 0.192 s	Min: -15.4 g (-151.1 m/s ²) at 0.501 s	Filter: CFC_1000
○ A12 Head Z	Max: 72.8 g (713.8 m/s ²) at 0.192 s	Min: -18.1 g (-177.3 m/s ²) at 0.194 s	Filter: CFC_1000





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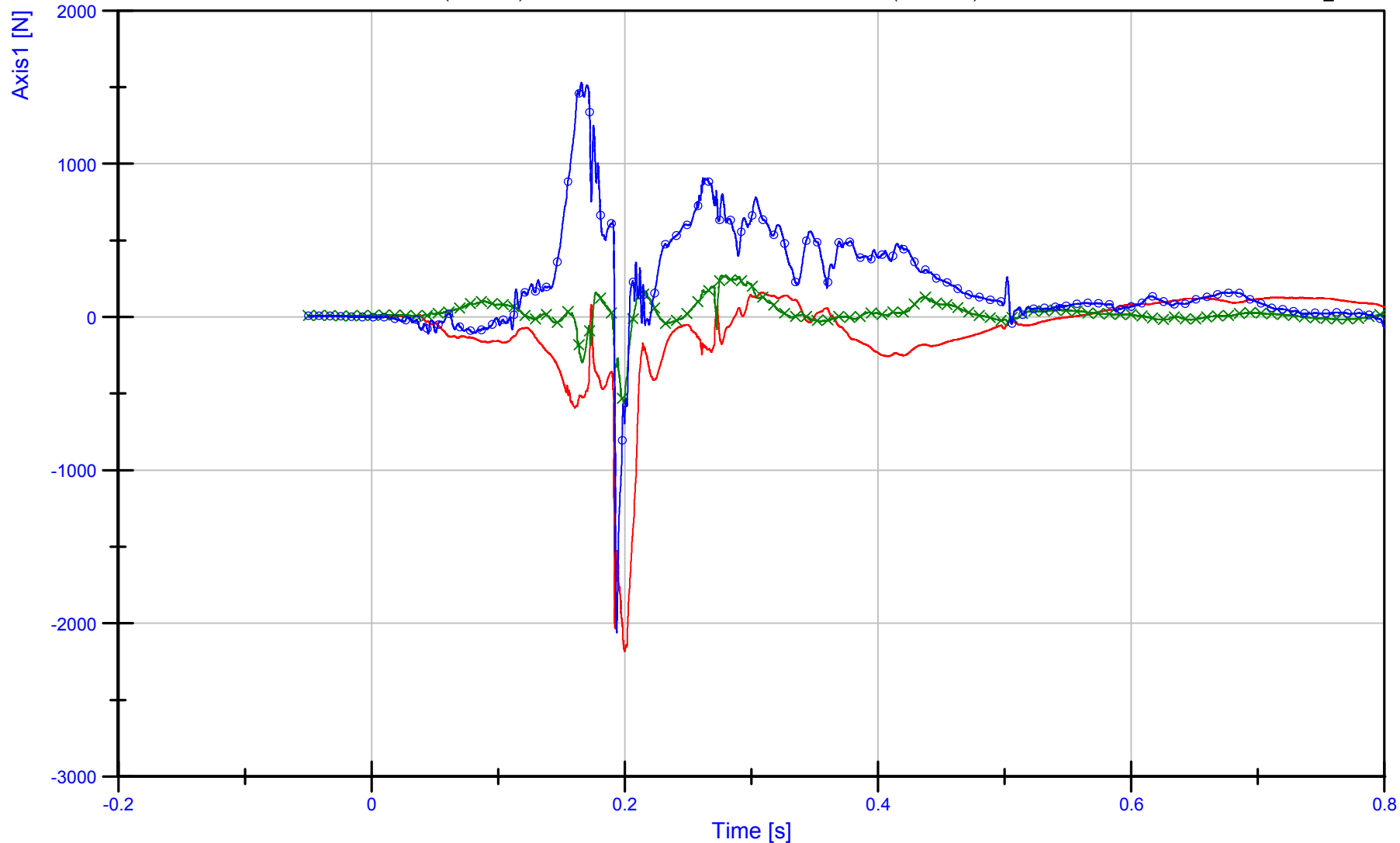
Test Date: 16-Nov-2009

Title: A12 NECK FORCES

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R4 Aisle - European

— A12 Neck FX	Max: 160.2 N (36.0 lbf) at 0.309 s	Min: -2185.6 N (-491.4 lbf) at 0.200 s	Filter: CFC_1000
× A12 Neck FY	Max: 271.1 N (60.9 lbf) at 0.276 s	Min: -565.7 N (-127.2 lbf) at 0.200 s	Filter: CFC_1000
○ A12 Neck FZ	Max: 1529.7 N (343.9 lbf) at 0.166 s	Min: -2059.9 N (-463.1 lbf) at 0.194 s	Filter: CFC_1000





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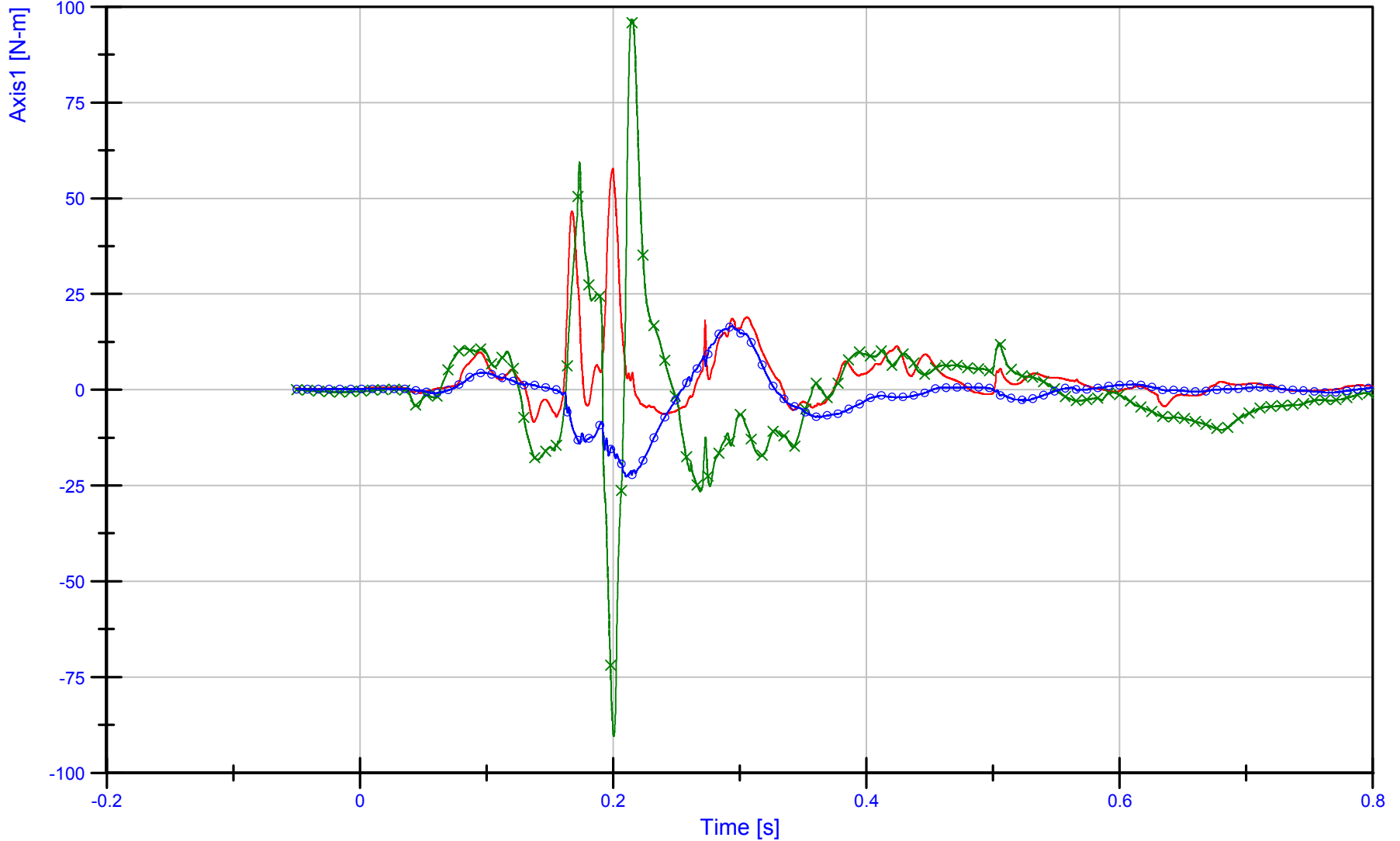
Test Date: 16-Nov-2009

Title: A12 NECK MOMENTS

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R4 Aisle - European

— A12 Neck MX	Max: 57.7 N-m (42.6 lbf-ft) at 0.200 s	Min: -8.4 N-m (-6.2 lbf-ft) at 0.137 s	Filter: CFC_600
— A12 Neck MY	Max: 96.8 N-m (71.4 lbf-ft) at 0.214 s	Min: -90.5 N-m (-66.7 lbf-ft) at 0.201 s	Filter: CFC_600
— A12 Neck MZ	Max: 16.6 N-m (12.3 lbf-ft) at 0.294 s	Min: -22.7 N-m (-16.7 lbf-ft) at 0.210 s	Filter: CFC_600





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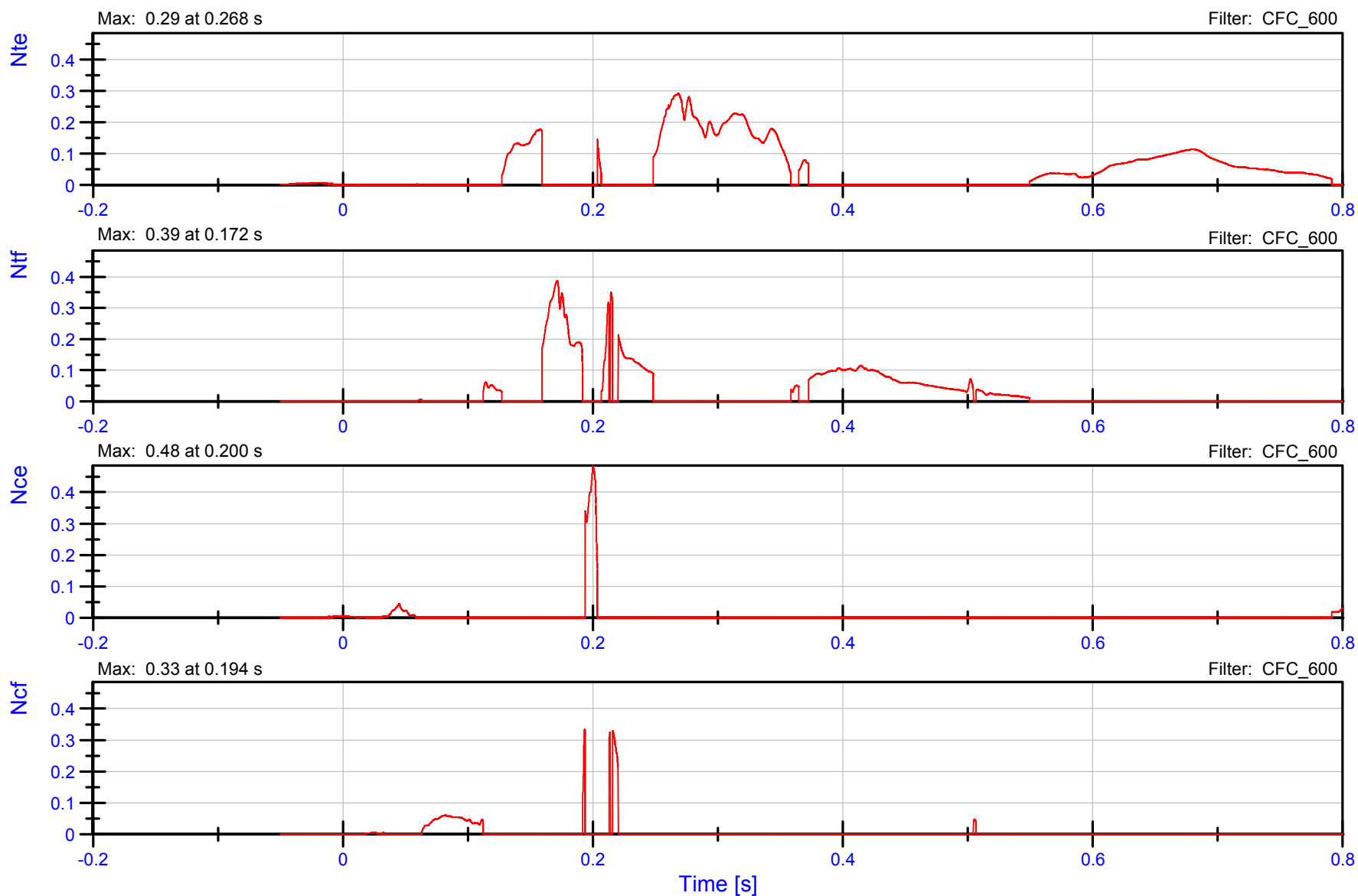
Test ID: CTR03813-001

Title: A12 NECK NIJ

Test Date: 16-Nov-2009

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R4 Aisle - European





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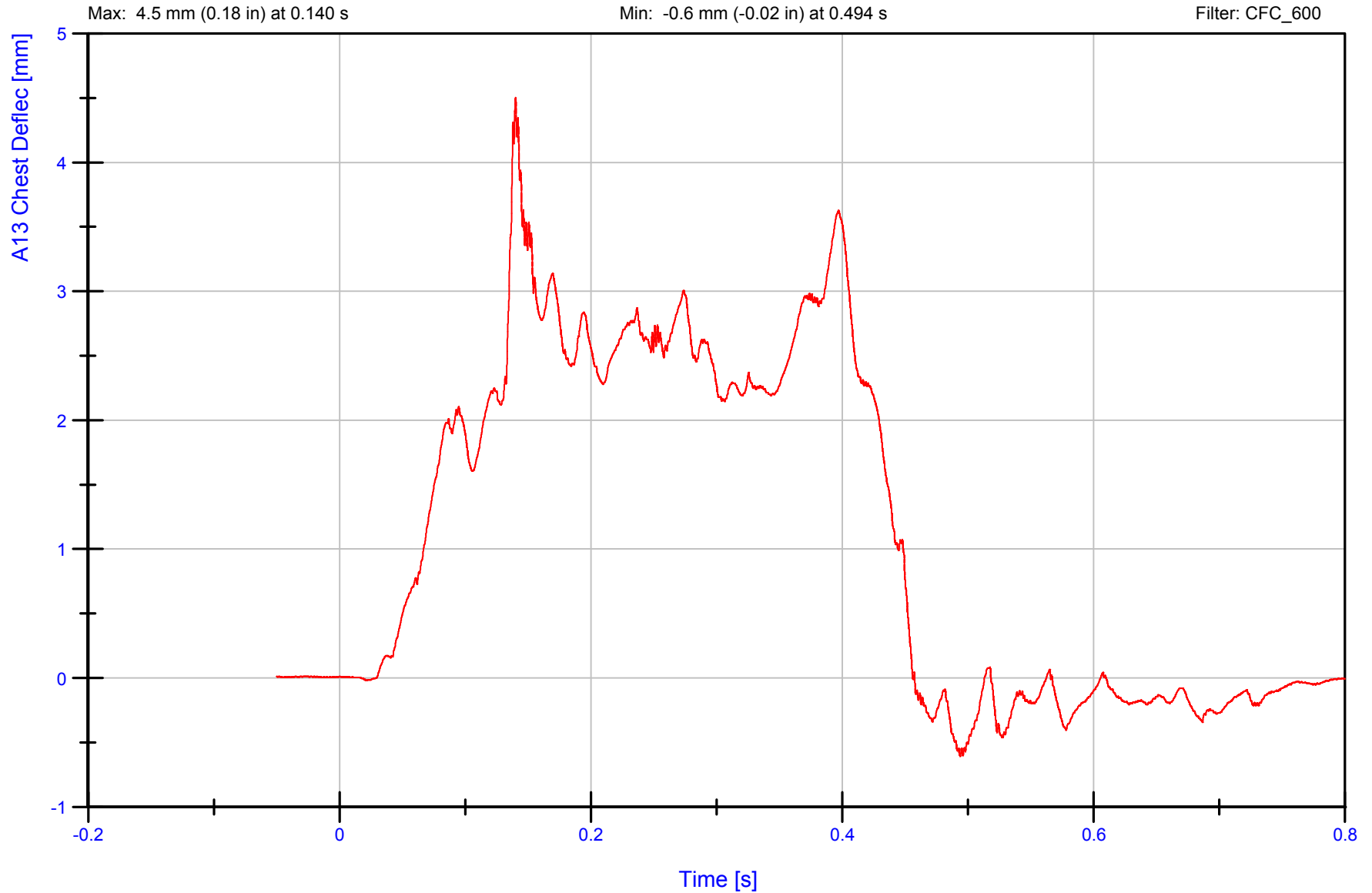
Test ID: CTR03813-001

Title: A13 CHEST DEFLECTION

Test Date: 16-Nov-2009

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R10 Wall - Premier





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Test ID: CTR03813-001

Title: A13 CHEST RESULTANT

Test Date: 16-Nov-2009

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R10 Wall - Premier

Chest 3ms: 13.46

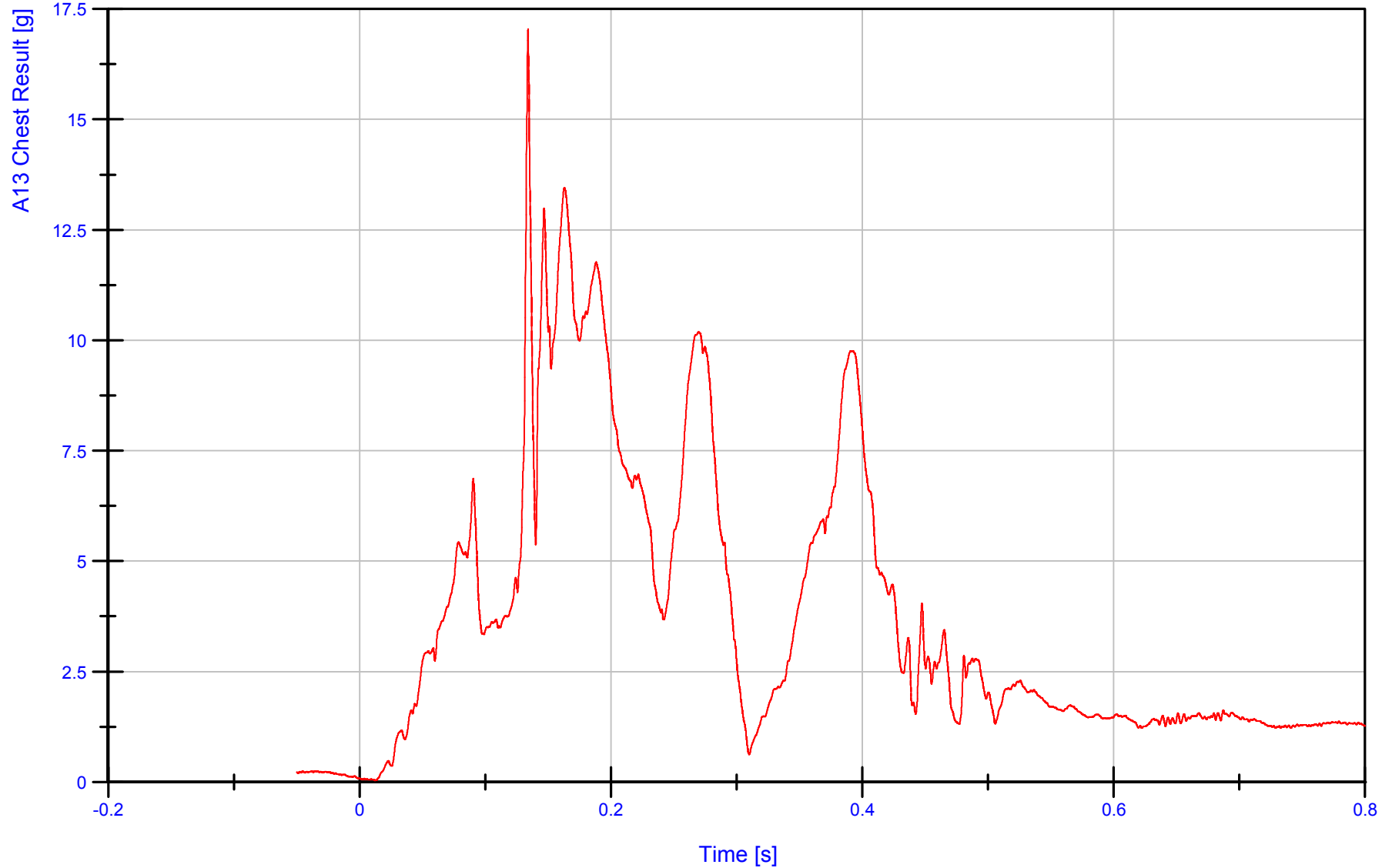
Range Begin/End (ms): 132.75 / 163.05

Duration Sum: 3.00 ms

Max: 17.0 g (167.2 m/s²) at 0.134 s

Min: 0.0 g (0.4 m/s²) at 0.012 s

Filter: None





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Test ID: CTR03813-001

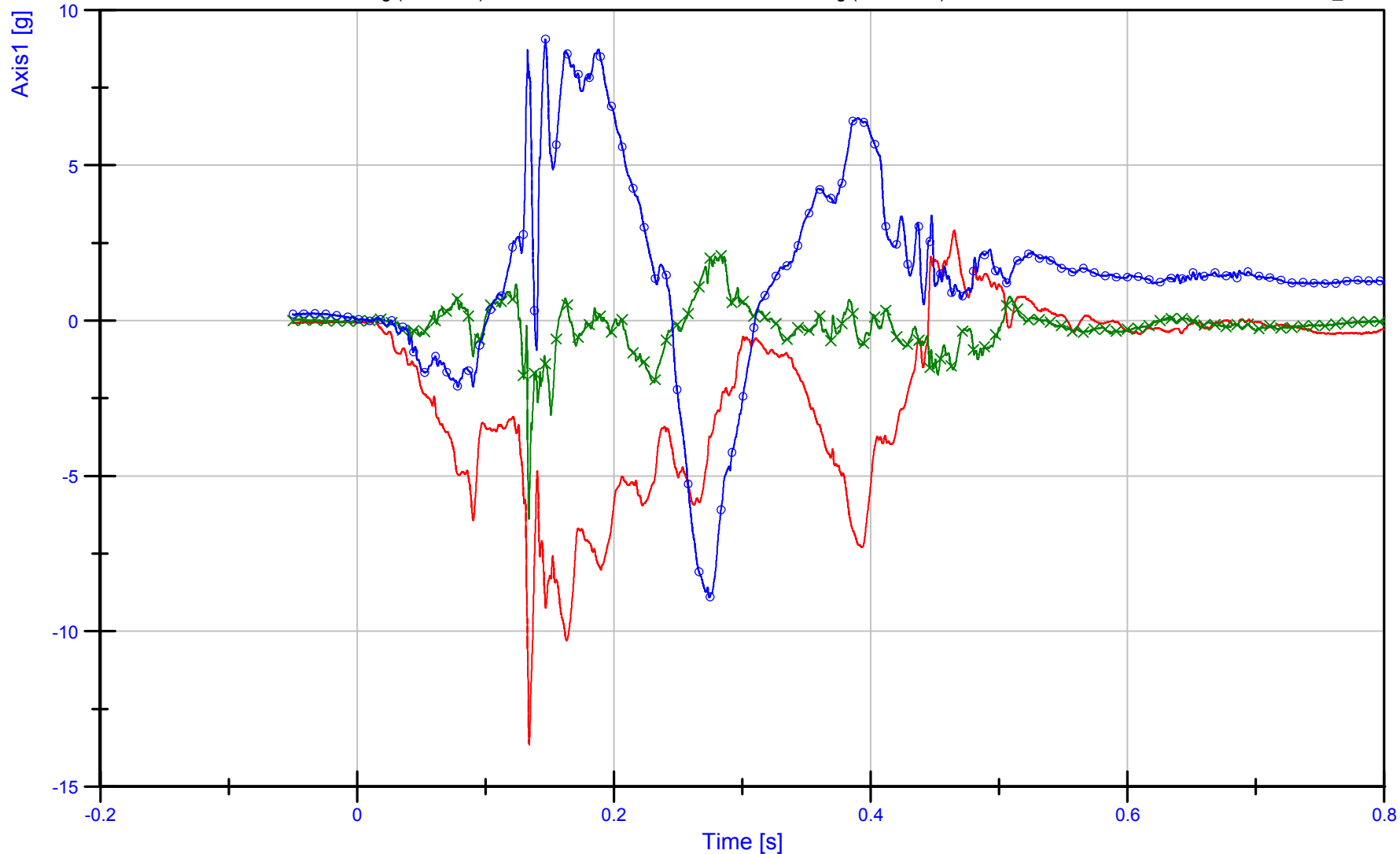
Title: A13 CHEST XYZ

Test Date: 16-Nov-2009

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R10 Wall - Premier

— A13 Chest X	Max: 2.9 g (28.5 m/s ²) at 0.465 s	Min: -13.7 g (-133.9 m/s ²) at 0.134 s	Filter: CFC_180
— A13 Chest Y	Max: 2.1 g (20.4 m/s ²) at 0.283 s	Min: -6.4 g (-62.5 m/s ²) at 0.134 s	Filter: CFC_180
— A13 Chest Z	Max: 9.1 g (88.9 m/s ²) at 0.147 s	Min: -8.9 g (-87.4 m/s ²) at 0.275 s	Filter: CFC_180





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Test ID: CTR03813-001

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Title: A13 FEMUR LOADS

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R10 Wall - Premier

— A13 Femur Left Max: 219.5 N (49.3 lbf) at 0.673 s

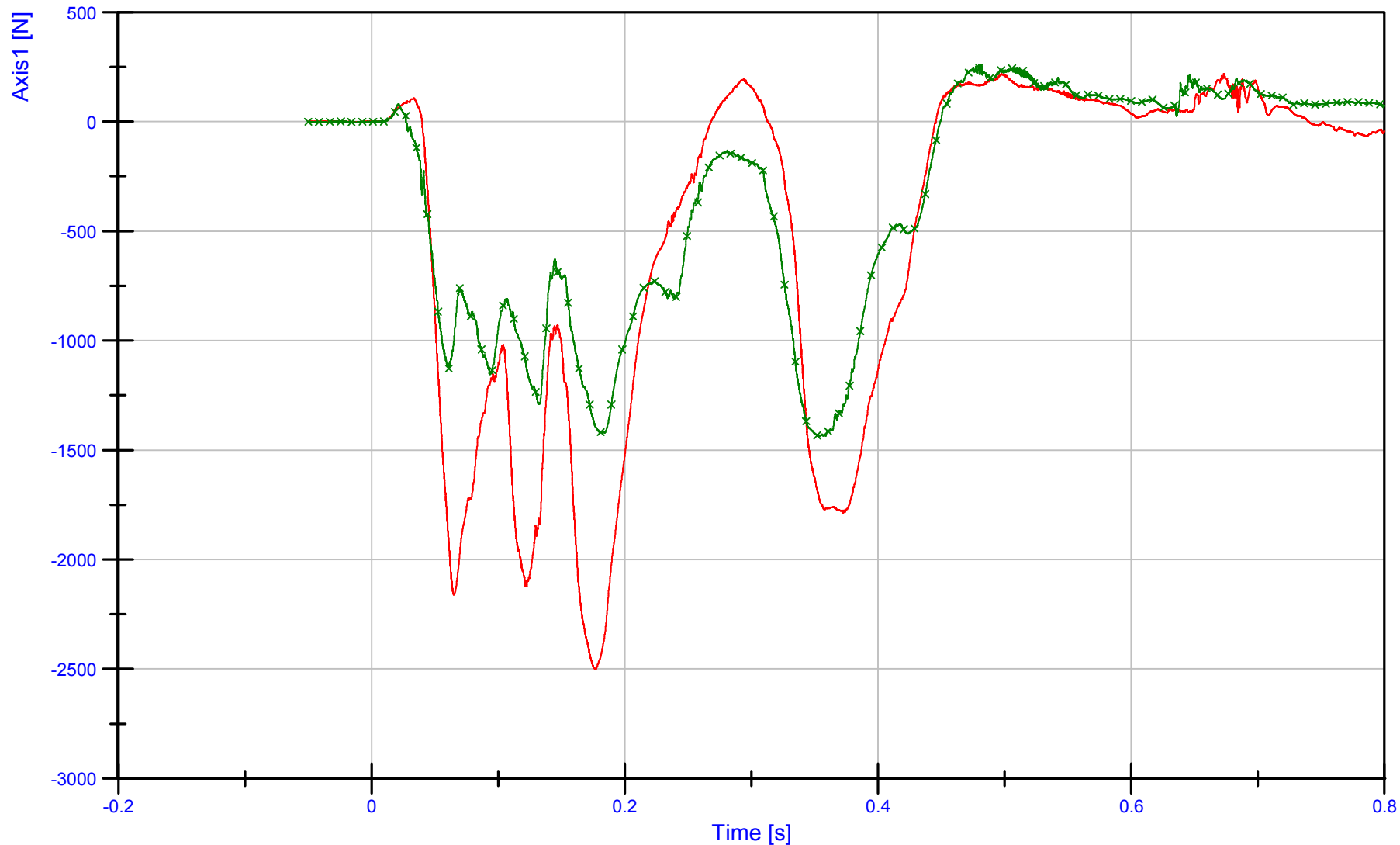
Min: -2500.1 N (-562.0 lbf) at 0.177 s

Filter: CFC_600

—* A13 Femur Right Max: 260.2 N (58.5 lbf) at 0.482 s

Min: -1436.6 N (-323.0 lbf) at 0.355 s

Filter: CFC_600





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Test ID: CTR03813-001

Test Date: 16-Nov-2009

Title: A13 HEAD RESULTANT (HIC36)

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R10 Wall - Premier

HIC36: 117.09

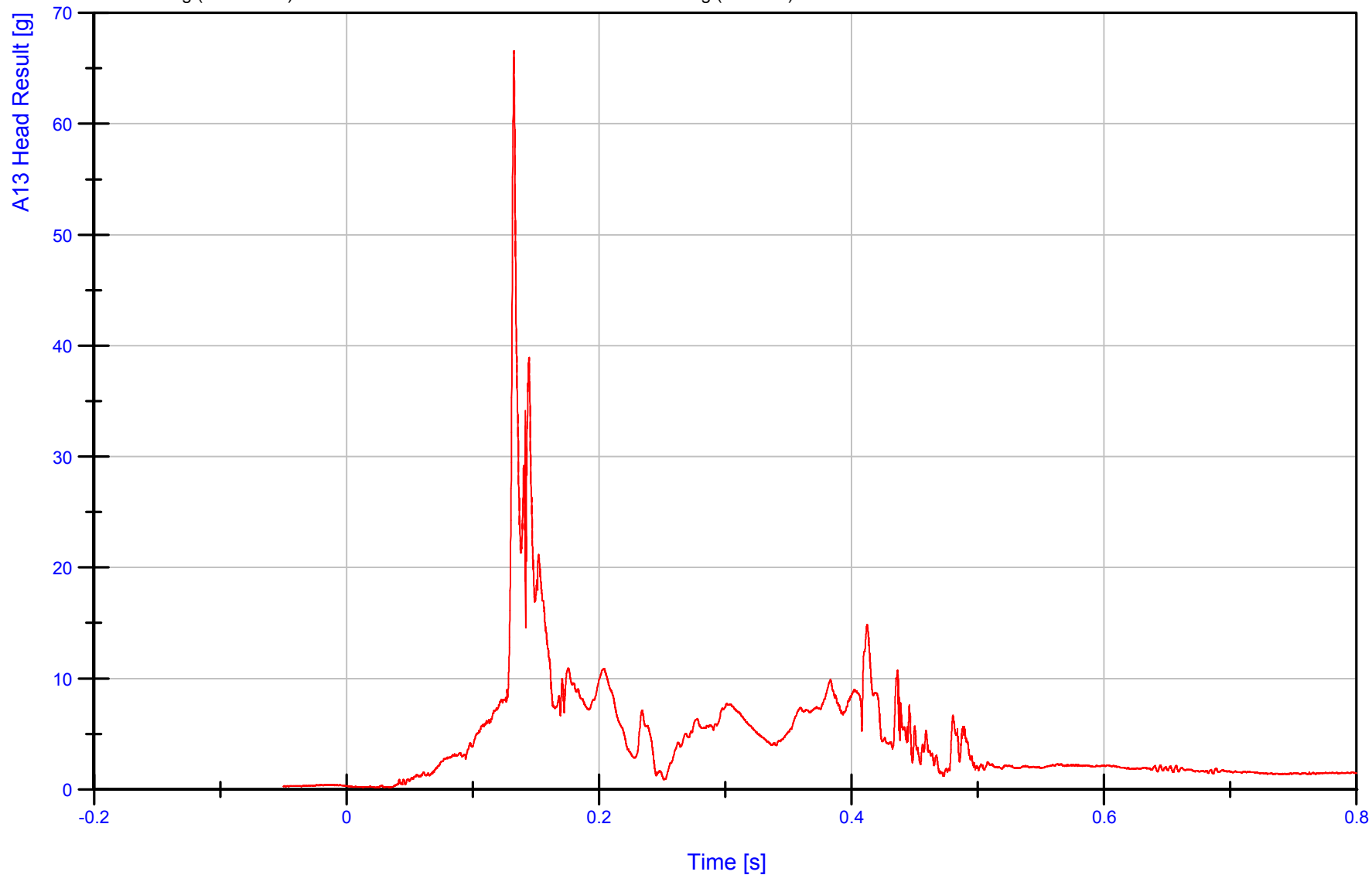
Begin / End (ms): 129.65 / 154.85

Duration: 25.20 ms

Max: 66.6 g (653.0 m/s^2) at 0.133 s

Min: 0.1 g (1.5 m/s^2) at 0.034 s

Filter: None





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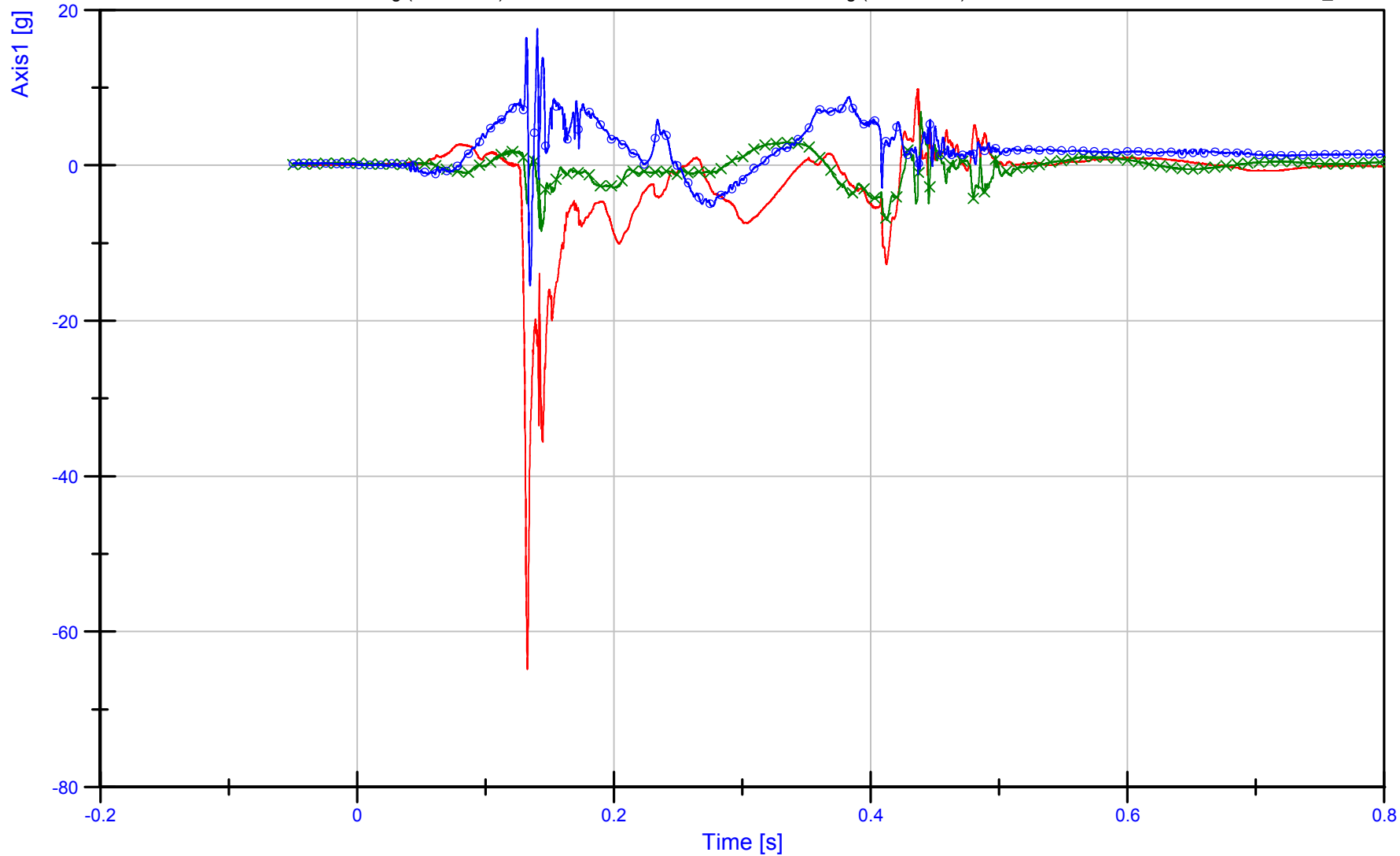
Test Date: 16-Nov-2009

Title: A13 HEAD XYZ

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R10 Wall - Premier

— A13 Head X	Max: 9.9 g (96.7 m/s ²) at 0.437 s	Min: -64.8 g (-635.9 m/s ²) at 0.133 s	Filter: CFC_1000
— A13 Head Y	Max: 6.9 g (67.6 m/s ²) at 0.439 s	Min: -8.4 g (-82.7 m/s ²) at 0.144 s	Filter: CFC_1000
— A13 Head Z	Max: 17.6 g (172.8 m/s ²) at 0.140 s	Min: -15.5 g (-151.6 m/s ²) at 0.135 s	Filter: CFC_1000





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Test ID: CTR03813-001

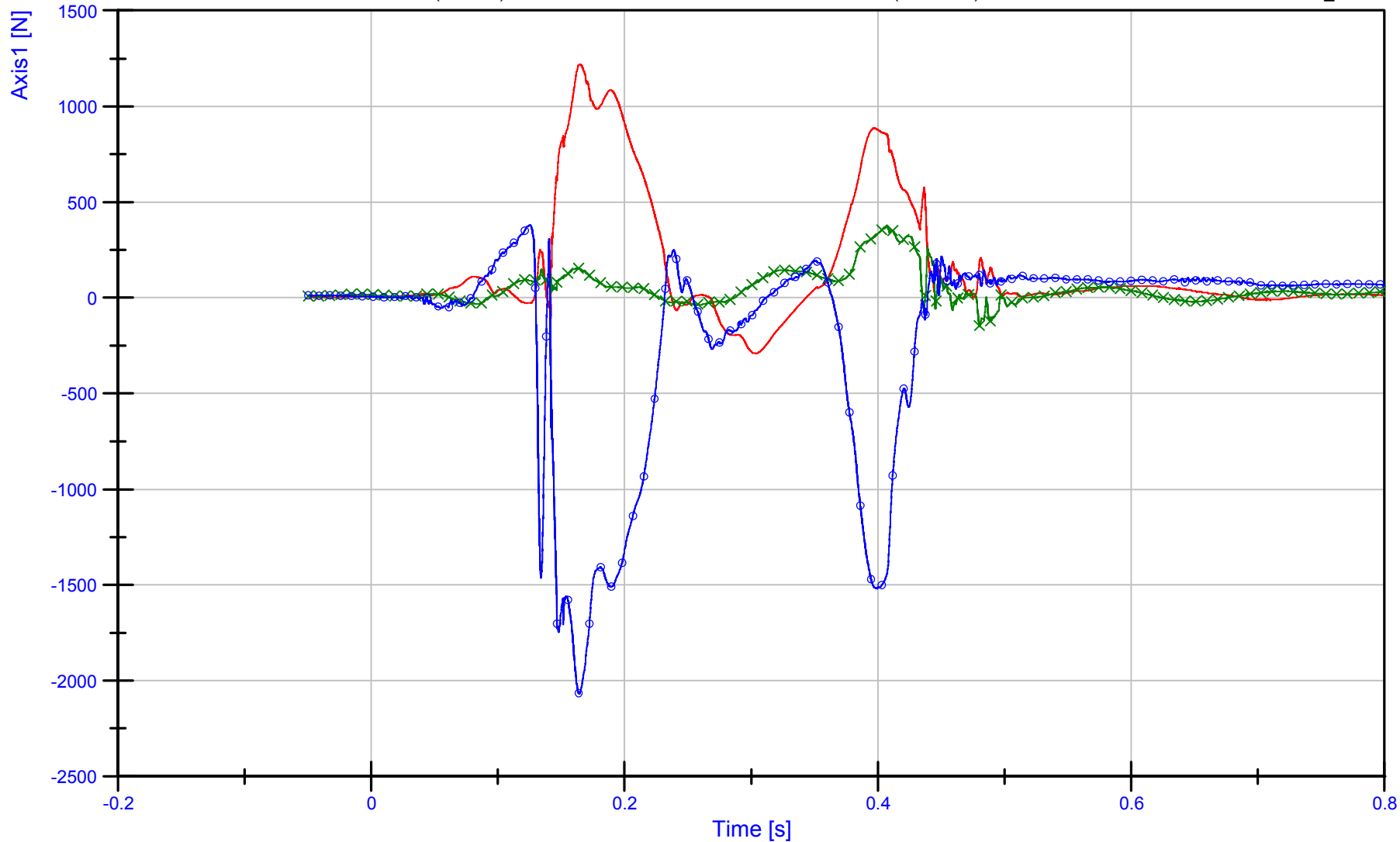
Test Date: 16-Nov-2009

Title: A13 NECK FORCES

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R10 Wall - Premier

— A13 Neck FX	Max: 1220.0 N (274.3 lbf) at 0.165 s	Min: -290.9 N (-65.4 lbf) at 0.304 s	Filter: CFC_1000
—x— A13 Neck FY	Max: 374.4 N (84.2 lbf) at 0.408 s	Min: -150.0 N (-33.7 lbf) at 0.480 s	Filter: CFC_1000
—o— A13 Neck FZ	Max: 380.6 N (85.6 lbf) at 0.125 s	Min: -2069.5 N (-465.2 lbf) at 0.164 s	Filter: CFC_1000

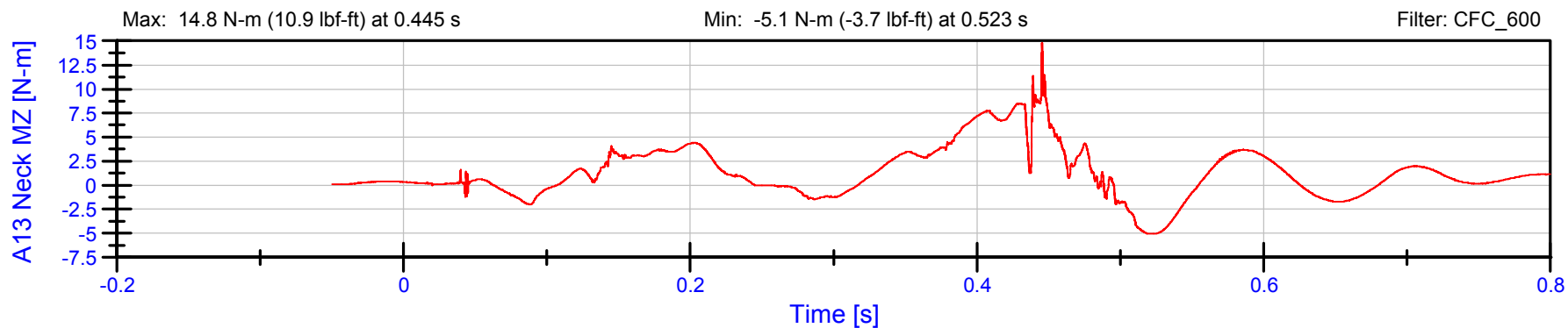
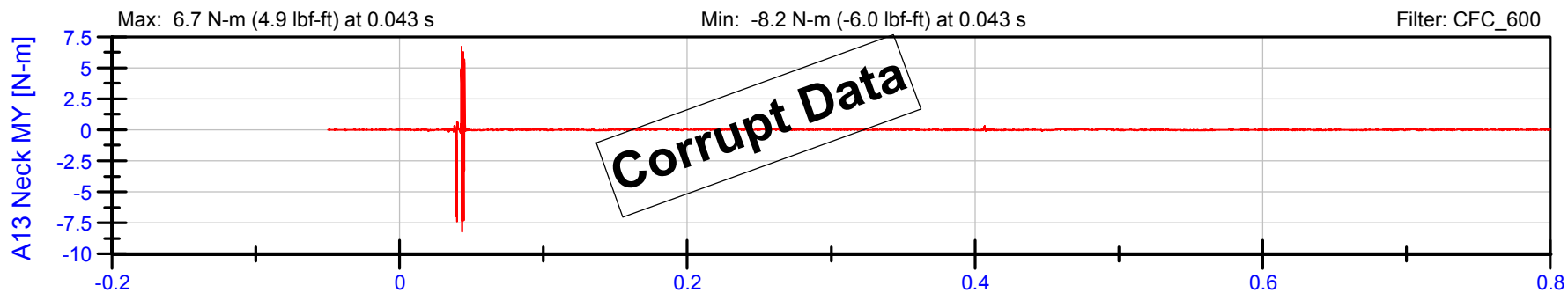
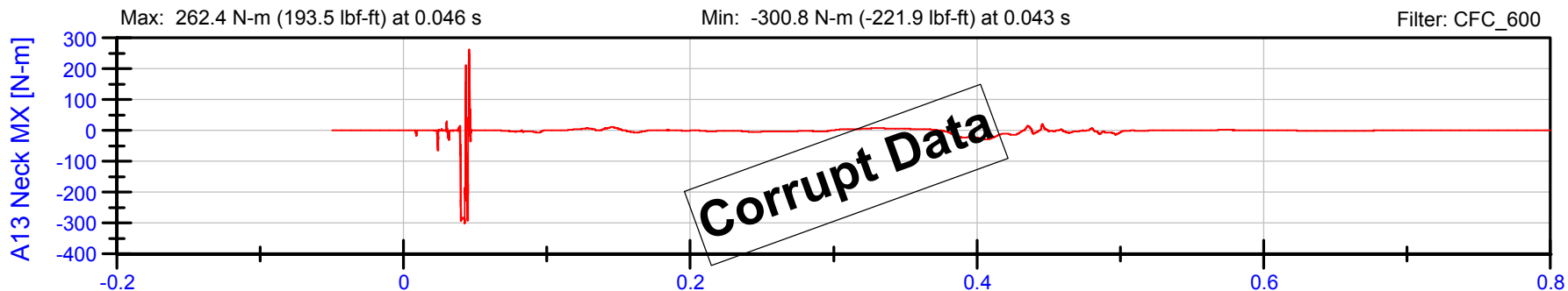




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Test ID: CTR03813-001
Test Date: 16-Nov-2009

Title: A13 NECK MOMENTS
Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D
ATD Position: R10 Wall - Premier

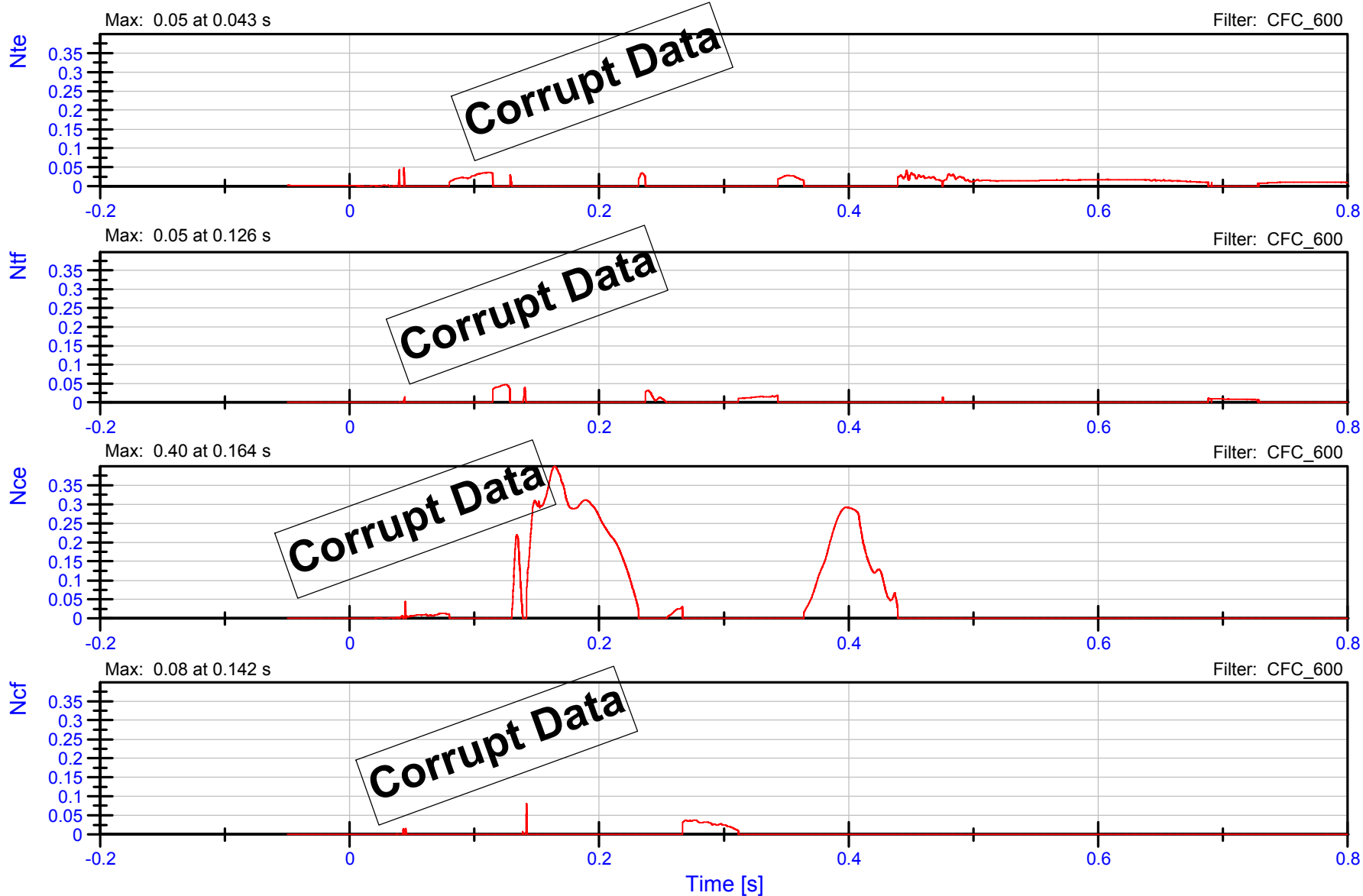




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Test ID: CTR03813-001
Test Date: 16-Nov-2009

Title: A13 NECK NIJ
Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D
ATD Position: R10 Wall - Premier





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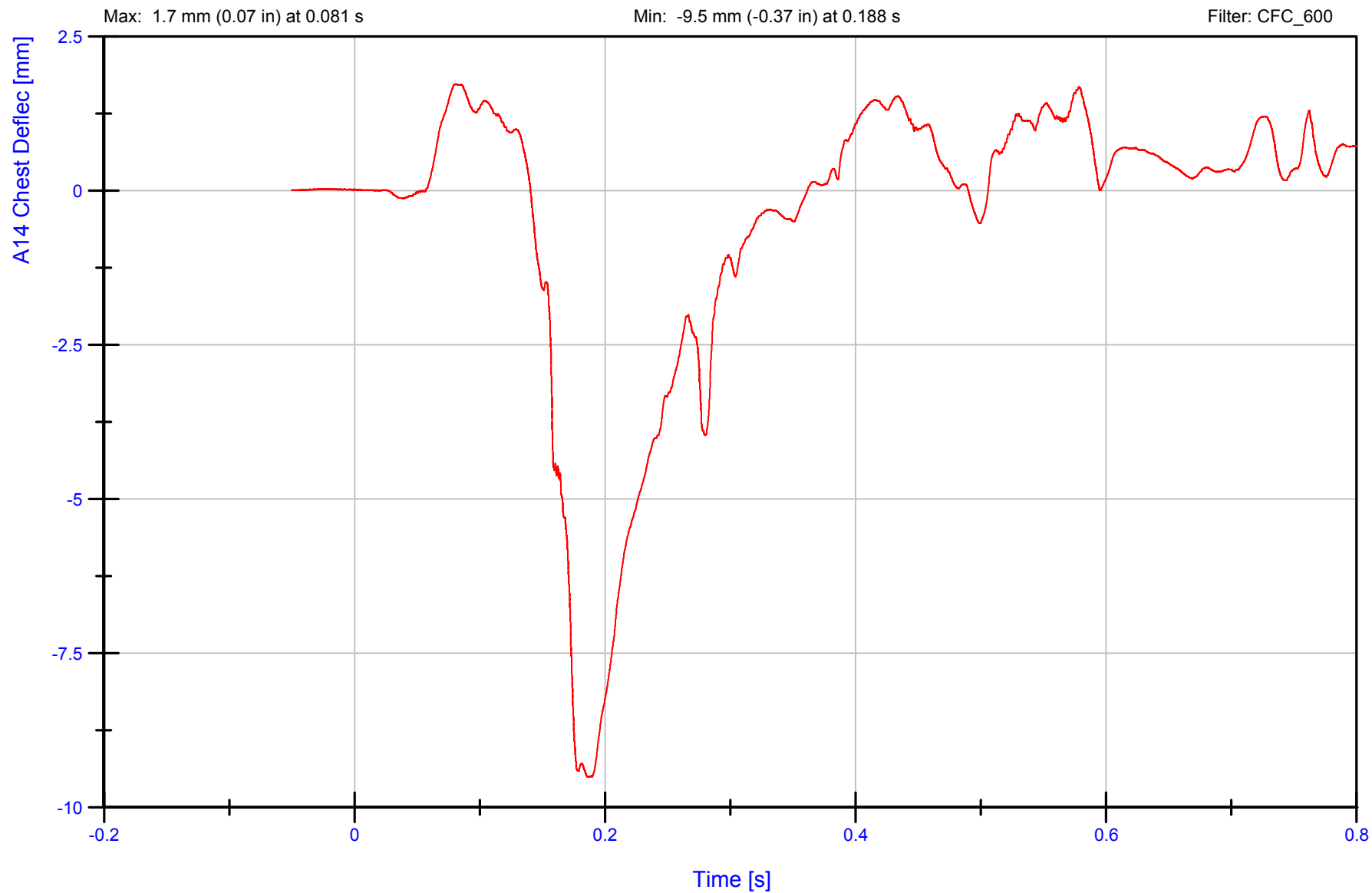
Test ID: CTR03813-001

Title: A14 CHEST DEFLECTION

Test Date: 16-Nov-2009

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R6 Wall - European





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Test ID: CTR03813-001

Test Date: 16-Nov-2009

Title: A14 FEMUR LOADS

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R6 Wall - European

— A14 Femur Left Max: 389.6 N (87.6 lbf) at 0.514 s

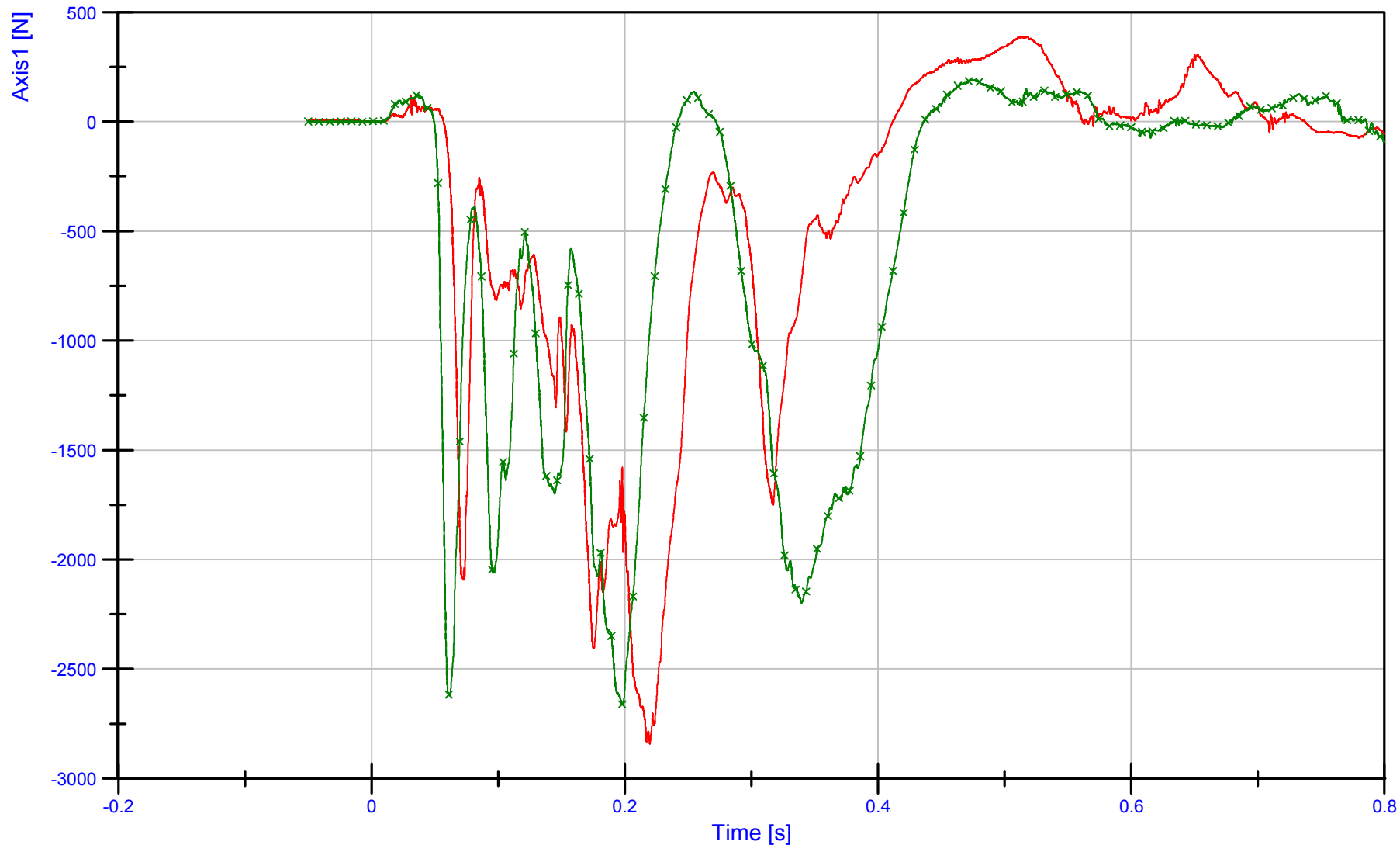
Min: -2840.9 N (-638.7 lbf) at 0.220 s

Filter: CFC_600

* A14 Femur Right Max: 190.7 N (42.9 lbf) at 0.477 s

Min: -2662.1 N (-598.5 lbf) at 0.198 s

Filter: CFC_600





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Test ID: CTR03813-001

Title: A14 HEAD RESULTANT (HIC36)

Test Date: 16-Nov-2009

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R6 Wall - European

HIC36: 345.98

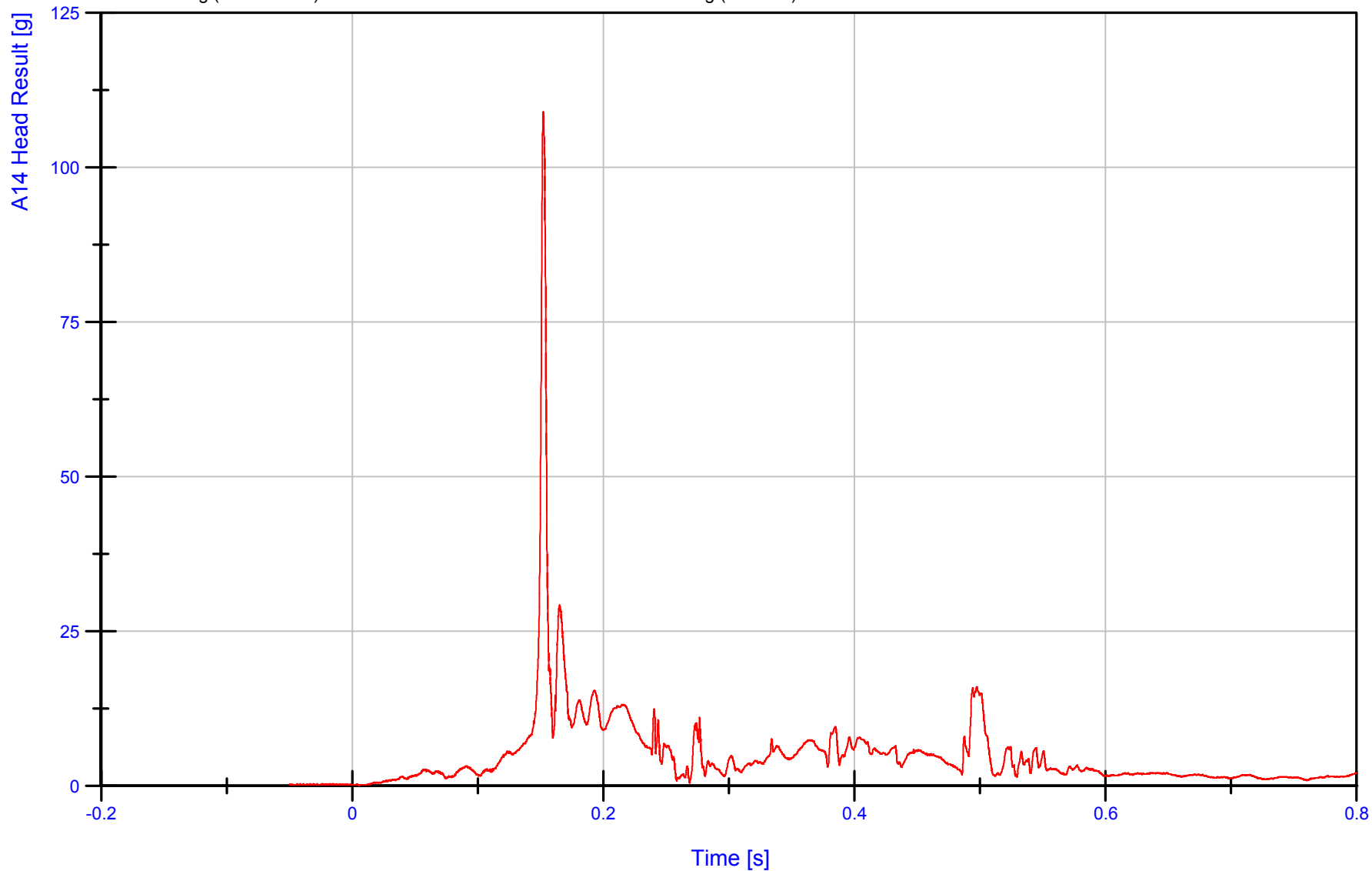
Begin / End (ms): 150.20 / 154.80

Duration: 4.60 ms

Max: 109.0 g (1069.2 m/s²) at 0.152 s

Min: 0.1 g (0.6 m/s²) at 0.005 s

Filter: None





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Test ID: CTR03813-001

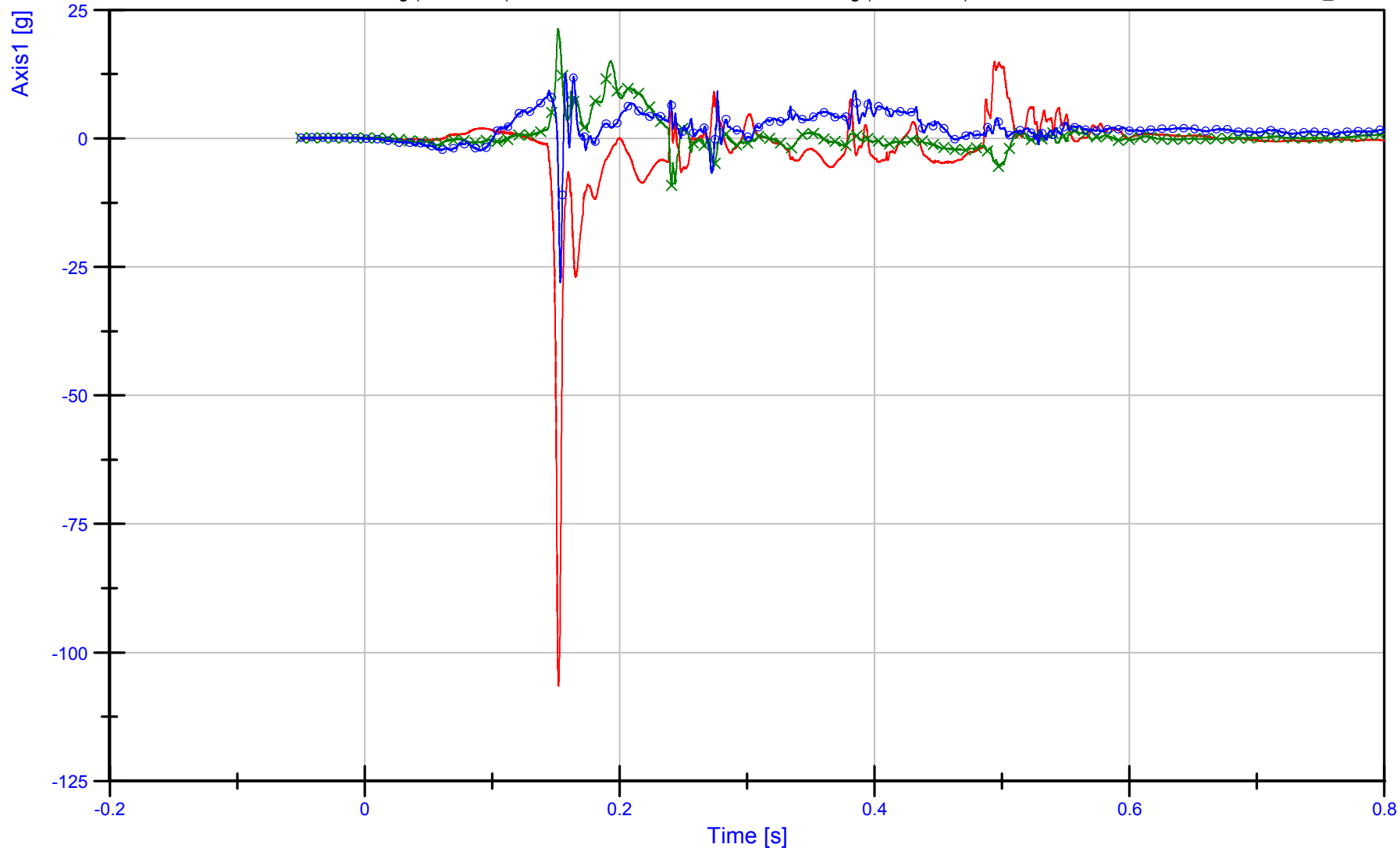
Test Date: 16-Nov-2009

Title: A14 HEAD XYZ

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R6 Wall - European

— A14 Head X	Max: 15.0 g (146.9 m/s ²) at 0.494 s	Min: -106.5 g (-1044.8 m/s ²) at 0.152 s	Filter: CFC_1000
— A14 Head Y	Max: 21.3 g (209.1 m/s ²) at 0.152 s	Min: -9.1 g (-89.4 m/s ²) at 0.241 s	Filter: CFC_1000
— A14 Head Z	Max: 12.6 g (123.9 m/s ²) at 0.158 s	Min: -28.0 g (-274.5 m/s ²) at 0.154 s	Filter: CFC_1000





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Test ID: CTR03813-001

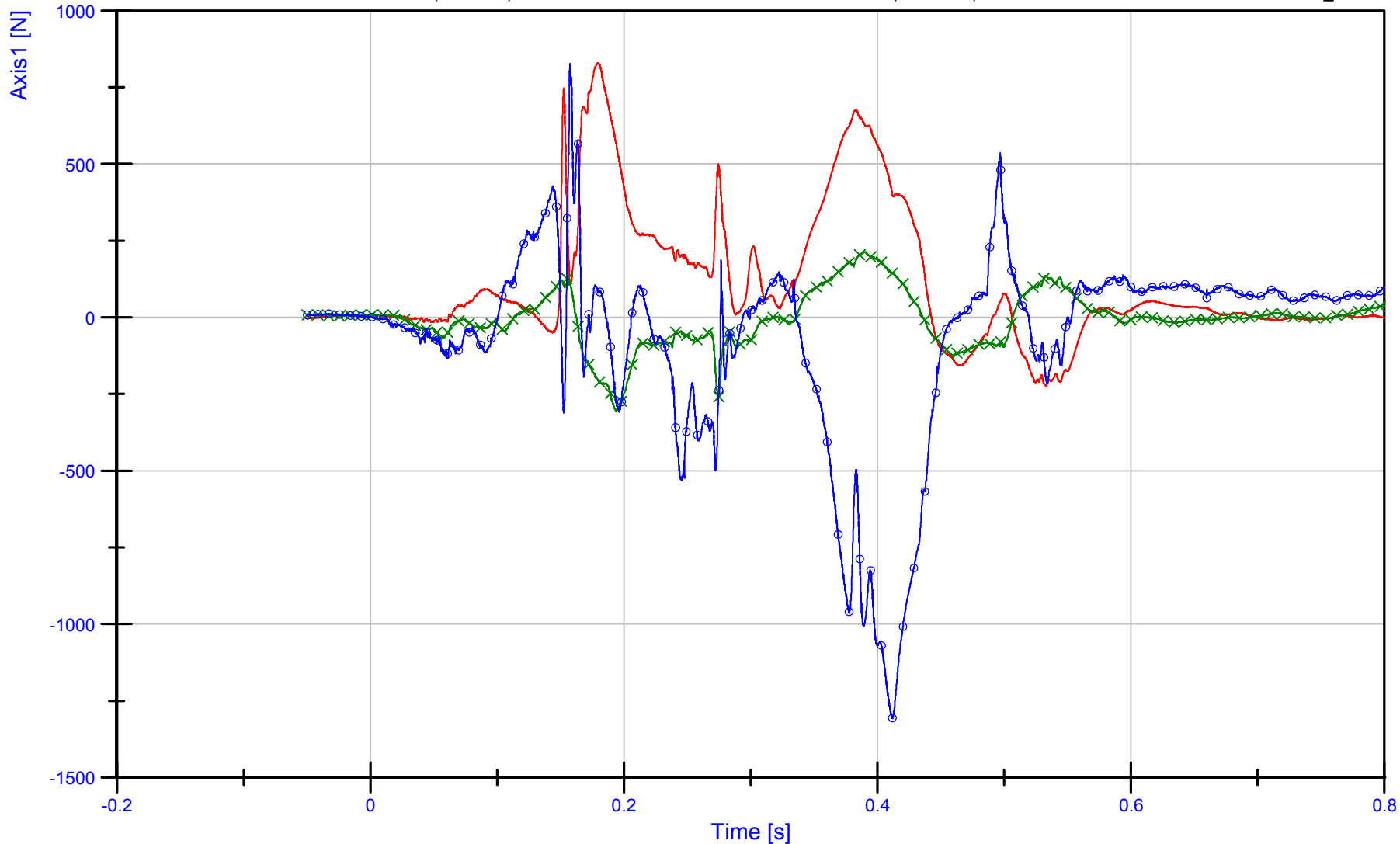
Test Date: 16-Nov-2009

Title: A14 NECK FORCES

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R6 Wall - European

— A14 Neck FX	Max: 829.9 N (186.6 lbf) at 0.179 s	Min: -222.8 N (-50.1 lbf) at 0.533 s	Filter: CFC_1000
— A14 Neck FY	Max: 213.5 N (48.0 lbf) at 0.390 s	Min: -305.6 N (-68.7 lbf) at 0.194 s	Filter: CFC_1000
— A14 Neck FZ	Max: 826.7 N (185.8 lbf) at 0.158 s	Min: -1307.2 N (-293.9 lbf) at 0.412 s	Filter: CFC_1000





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Test ID: CTR03813-001

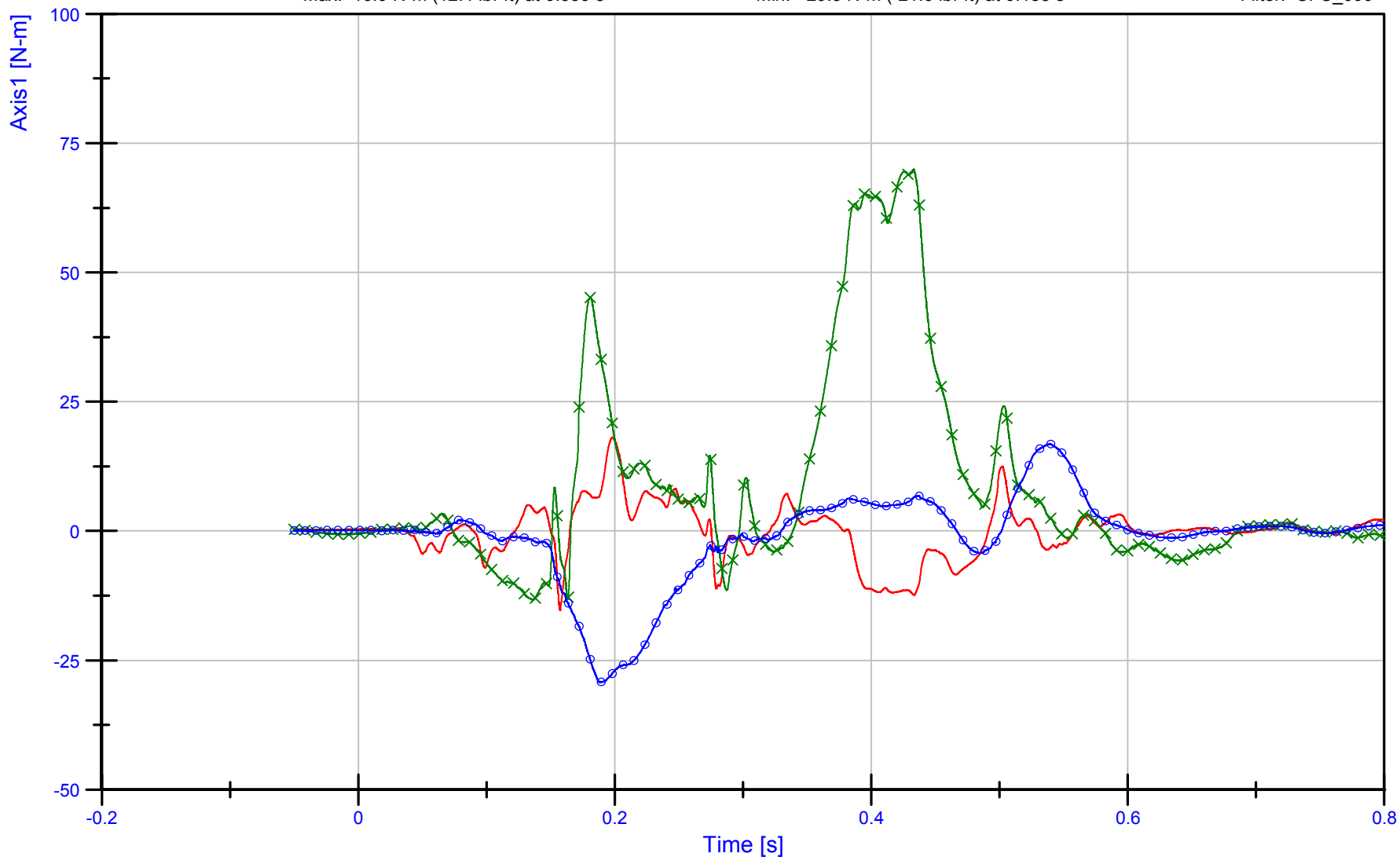
Test Date: 16-Nov-2009

Title: A14 NECK MOMENTS

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R6 Wall - European

— A14 Neck MX	Max: 18.1 N-m (13.4 lbf-ft) at 0.198 s	Min: -15.3 N-m (-11.3 lbf-ft) at 0.157 s	Filter: CFC_600
— A14 Neck MY	Max: 70.0 N-m (51.6 lbf-ft) at 0.433 s	Min: -13.3 N-m (-9.8 lbf-ft) at 0.136 s	Filter: CFC_600
— A14 Neck MZ	Max: 16.9 N-m (12.4 lbf-ft) at 0.539 s	Min: -29.3 N-m (-21.6 lbf-ft) at 0.188 s	Filter: CFC_600





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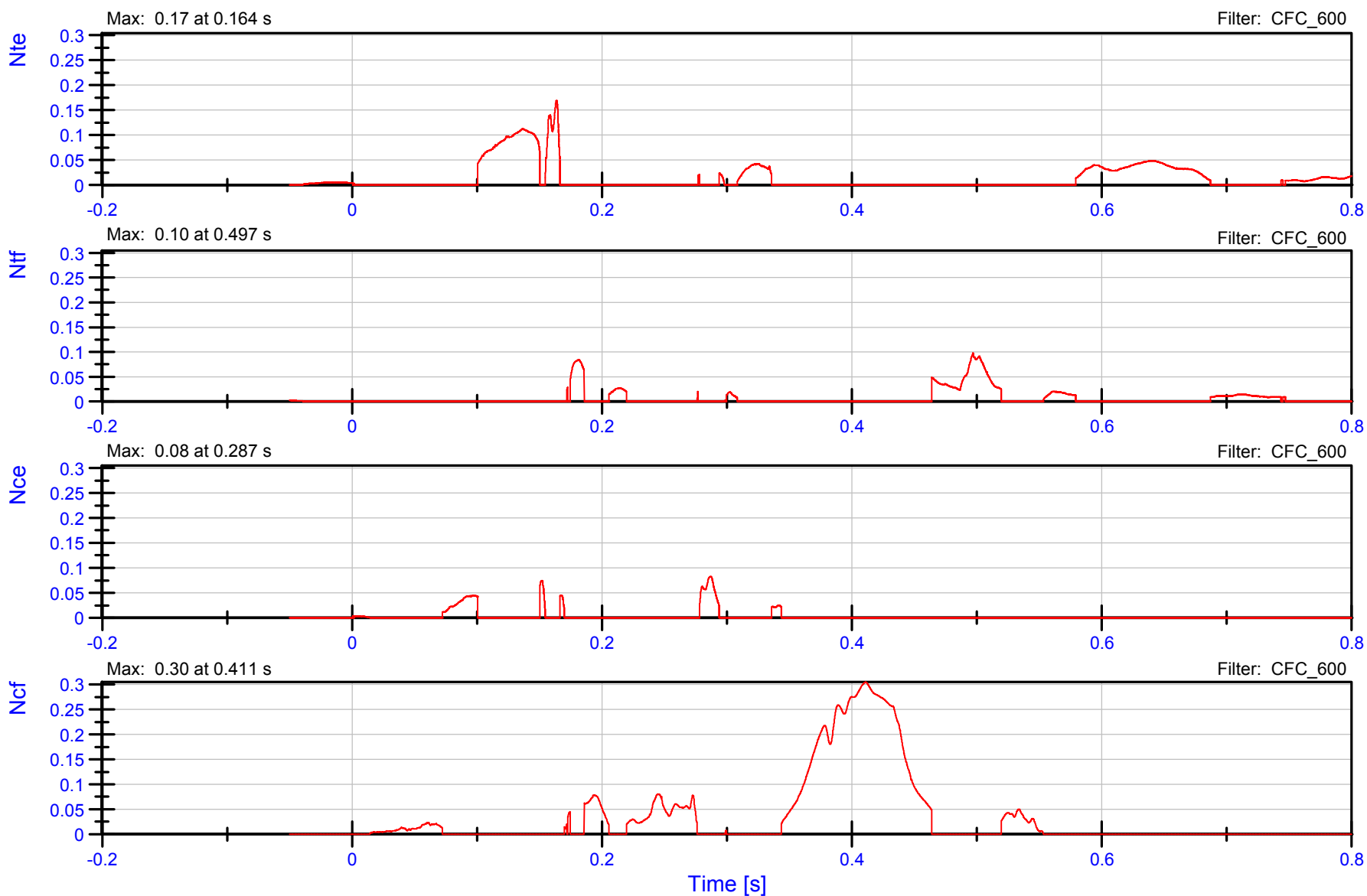
Test ID: CTR03813-001

Test Date: 16-Nov-2009

Title: A14 NECK NIJ

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R6 Wall - European





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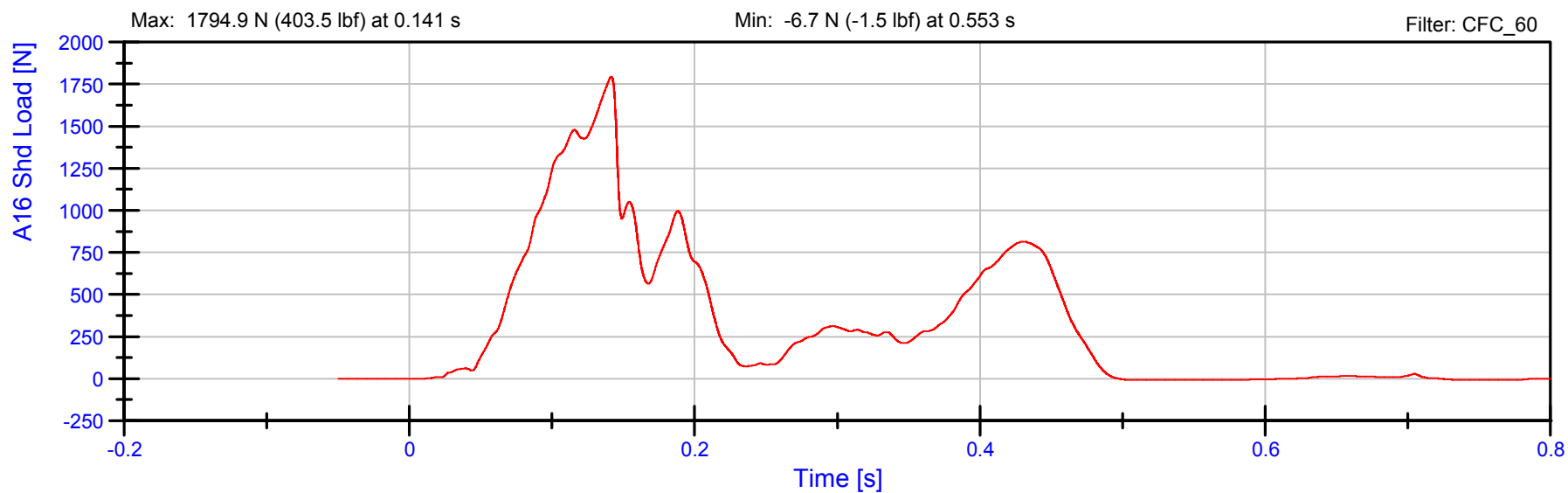
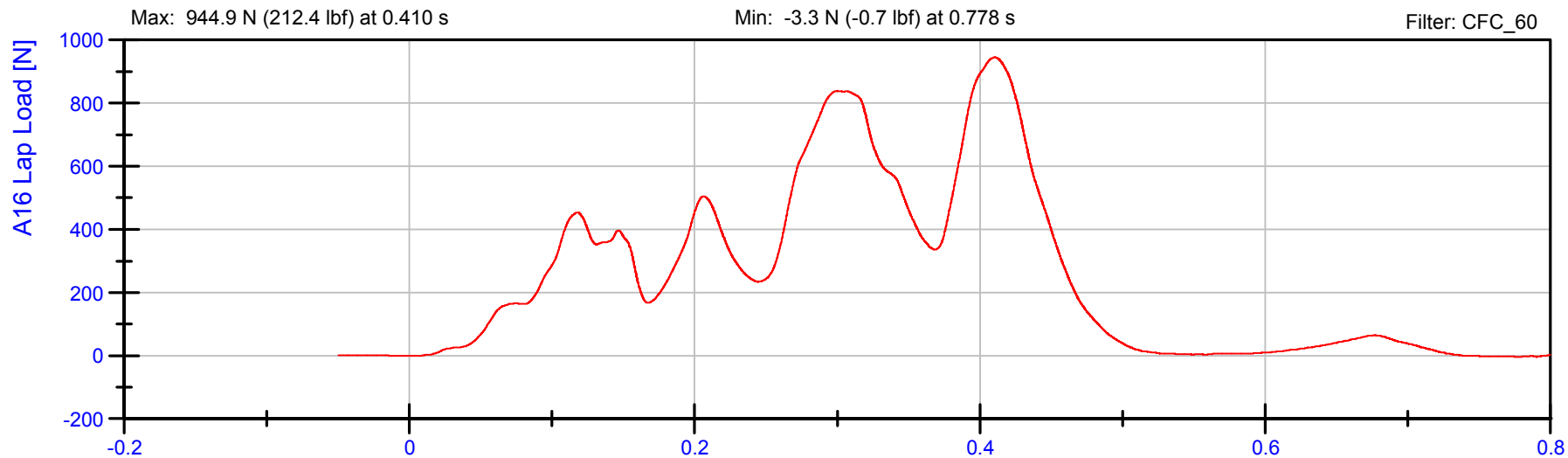
Test ID: CTR03813-001

Test Date: 16-Nov-2009

Title: A16 BELT LOADS

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R5 Aisle - European





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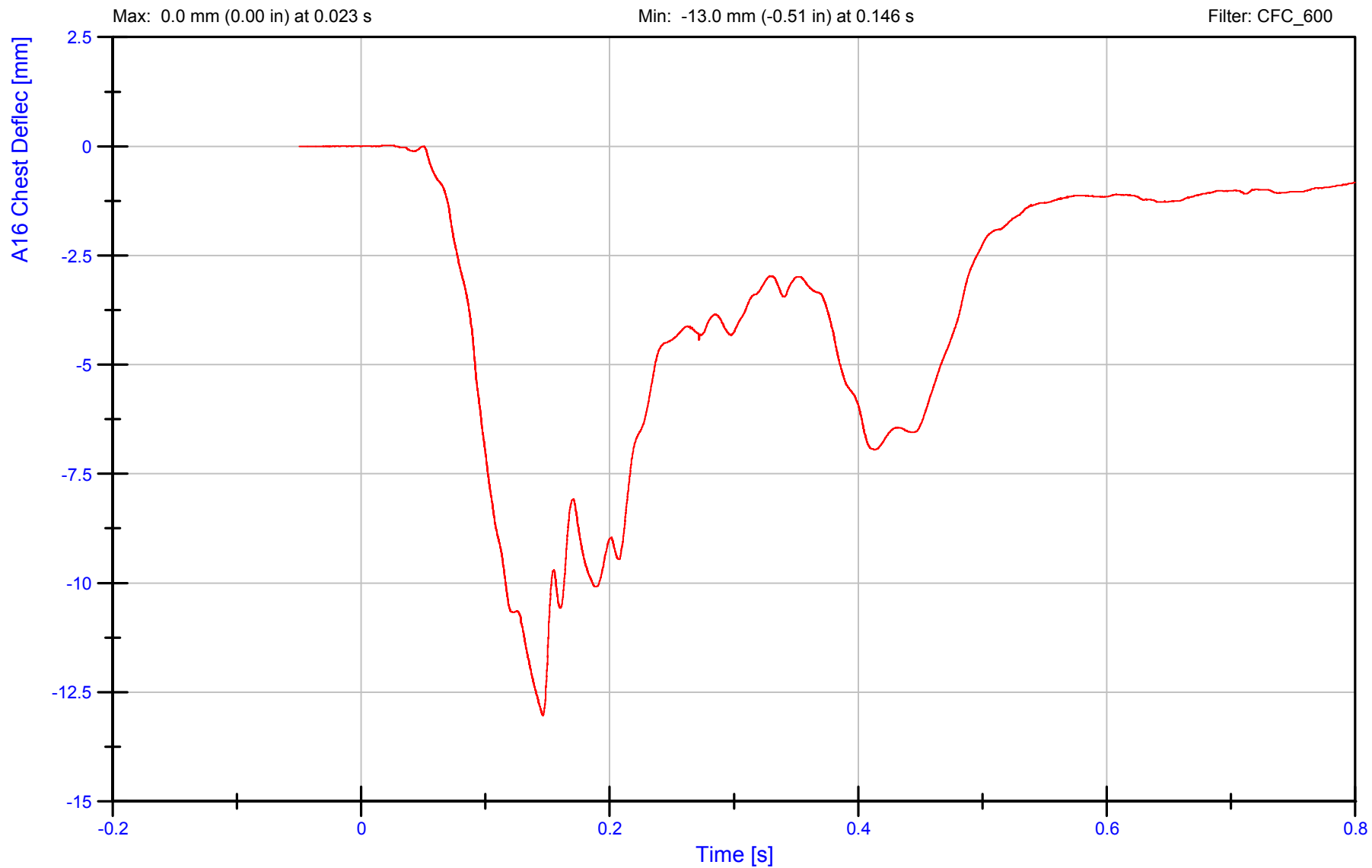
Test ID: CTR03813-001

Test Date: 16-Nov-2009

Title: A16 CHEST DEFLECTION

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R5 Aisle - European





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Test ID: CTR03813-001

Test Date: 16-Nov-2009

Title: A16 FEMUR LOADS

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R5 Aisle - European

— A16 Femur Left Max: 543.1 N (122.1 lbf) at 0.088 s

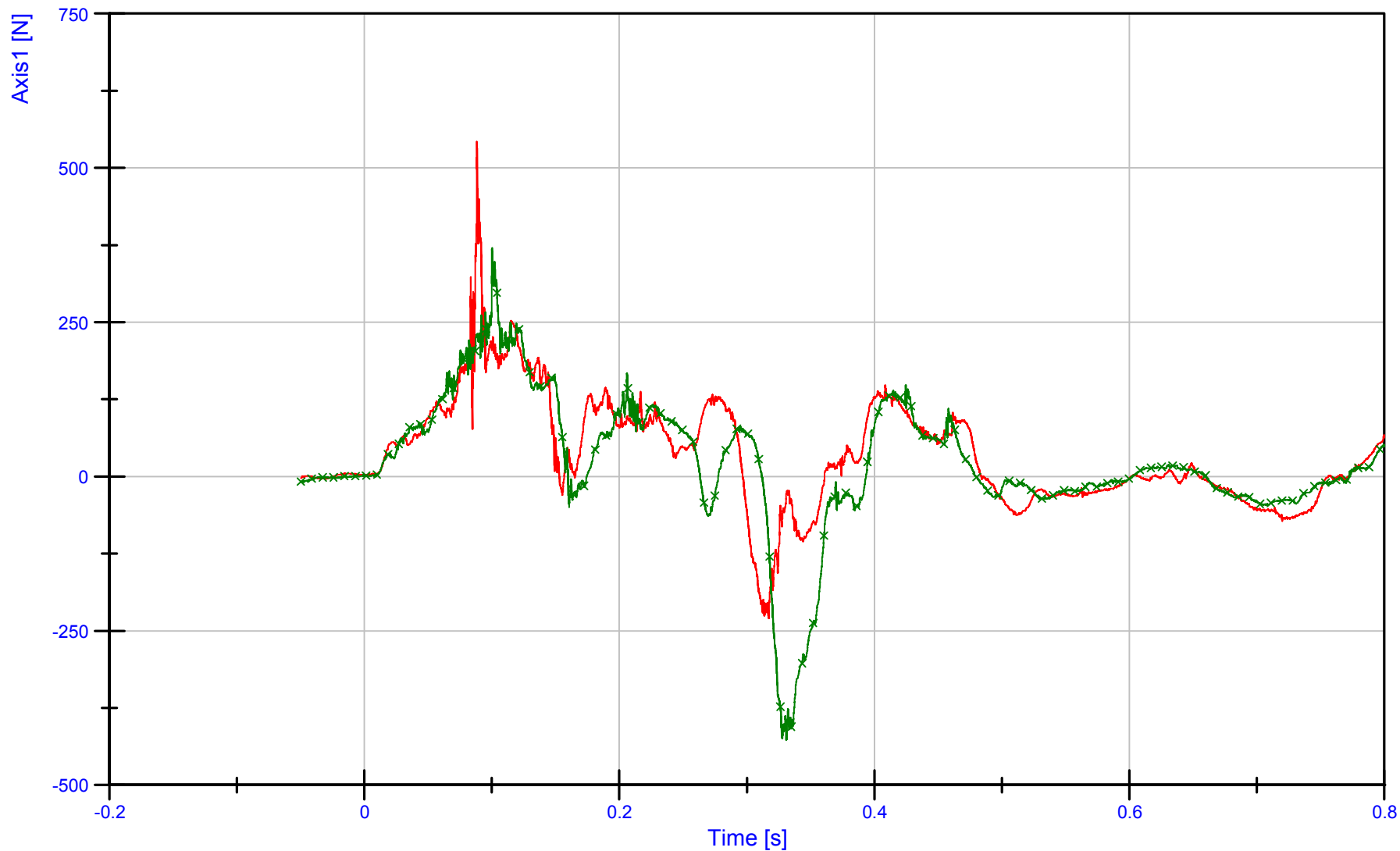
Min: -230.4 N (-51.8 lbf) at 0.317 s

Filter: CFC_600

—* A16 Femur Right Max: 371.2 N (83.4 lbf) at 0.100 s

Min: -427.2 N (-96.0 lbf) at 0.331 s

Filter: CFC_600





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Test ID: CTR03813-001
Test Date: 16-Nov-2009

Title: A16 HEAD RESULTANT (HIC36)
Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D
ATD Position: R5 Aisle - European

HIC36: 85.77

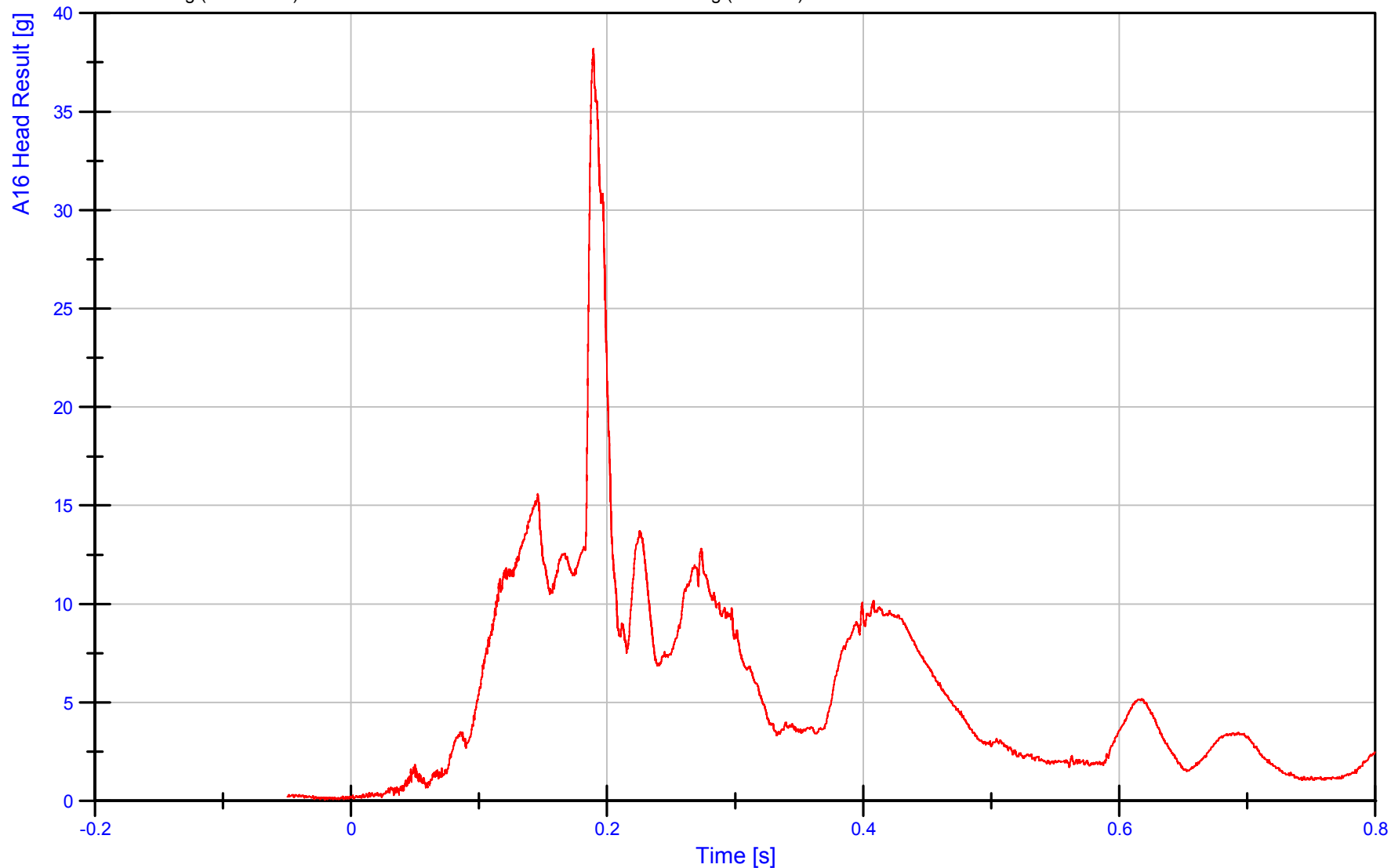
Begin / End (ms): 184.35 / 201.70

Duration: 17.35 ms

Max: 38.2 g (374.6 m/s²) at 0.189 s

Min: 0.1 g (0.6 m/s²) at -0.020 s

Filter: None





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Test ID: CTR03813-001

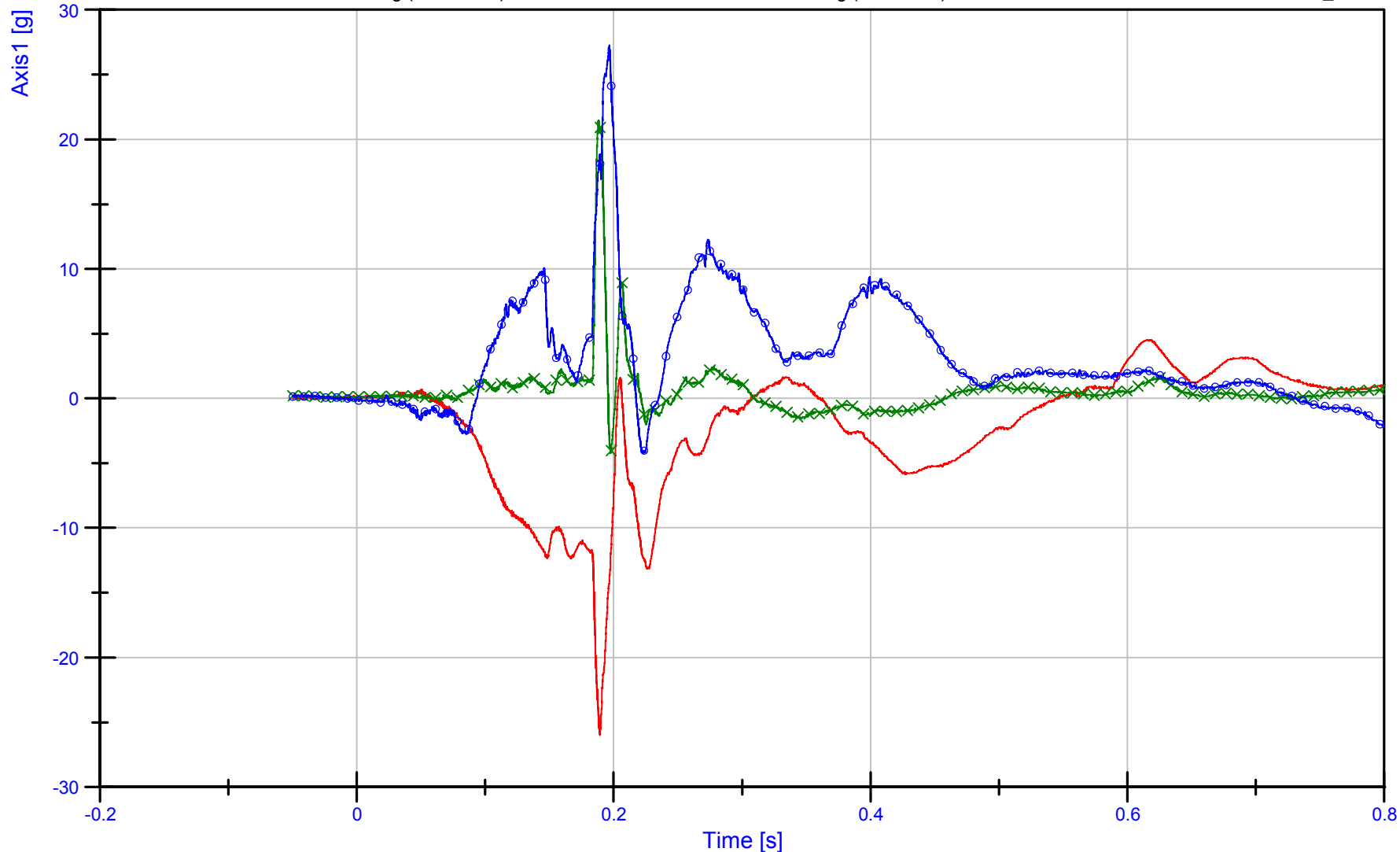
Test Date: 16-Nov-2009

Title: A16 HEAD XYZ

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R5 Aisle - European

— A16 Head X	Max: 4.5 g (44.3 m/s ²) at 0.618 s	Min: -26.0 g (-254.6 m/s ²) at 0.189 s	Filter: CFC_1000
— A16 Head Y	Max: 21.5 g (210.7 m/s ²) at 0.188 s	Min: -4.2 g (-41.4 m/s ²) at 0.198 s	Filter: CFC_1000
— A16 Head Z	Max: 27.3 g (267.3 m/s ²) at 0.197 s	Min: -4.2 g (-41.4 m/s ²) at 0.223 s	Filter: CFC_1000





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Test ID: CTR03813-001

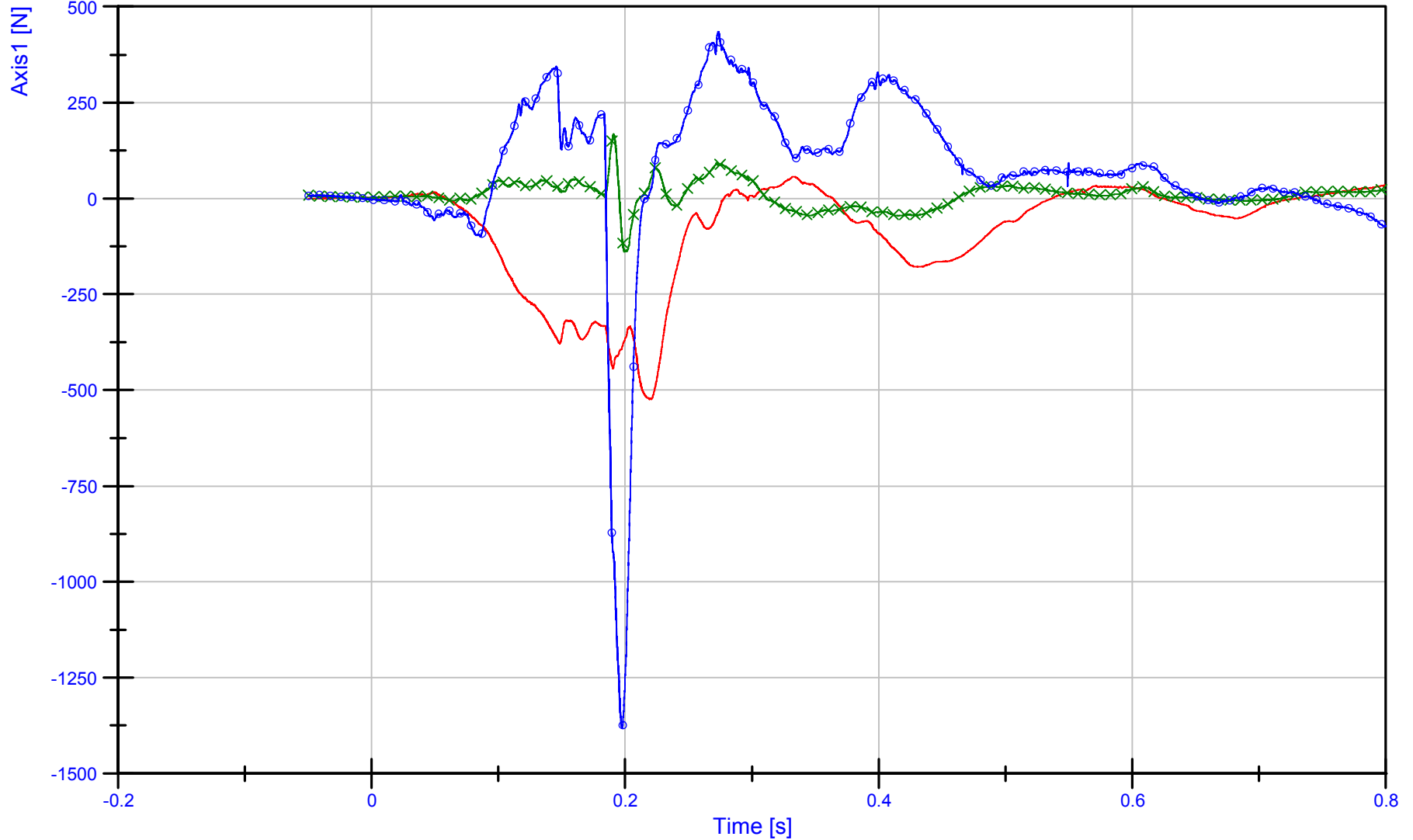
Test Date: 16-Nov-2009

Title: A16 NECK FORCES

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R5 Aisle - European

— A16 Neck FX	Max: 57.4 N (12.9 lbf) at 0.332 s	Min: -524.1 N (-117.8 lbf) at 0.219 s	Filter: CFC_1000
— A16 Neck FY	Max: 167.9 N (37.7 lbf) at 0.191 s	Min: -139.3 N (-31.3 lbf) at 0.200 s	Filter: CFC_1000
— A16 Neck FZ	Max: 435.4 N (97.9 lbf) at 0.274 s	Min: -1381.5 N (-310.6 lbf) at 0.198 s	Filter: CFC_1000





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Test ID: CTR03813-001

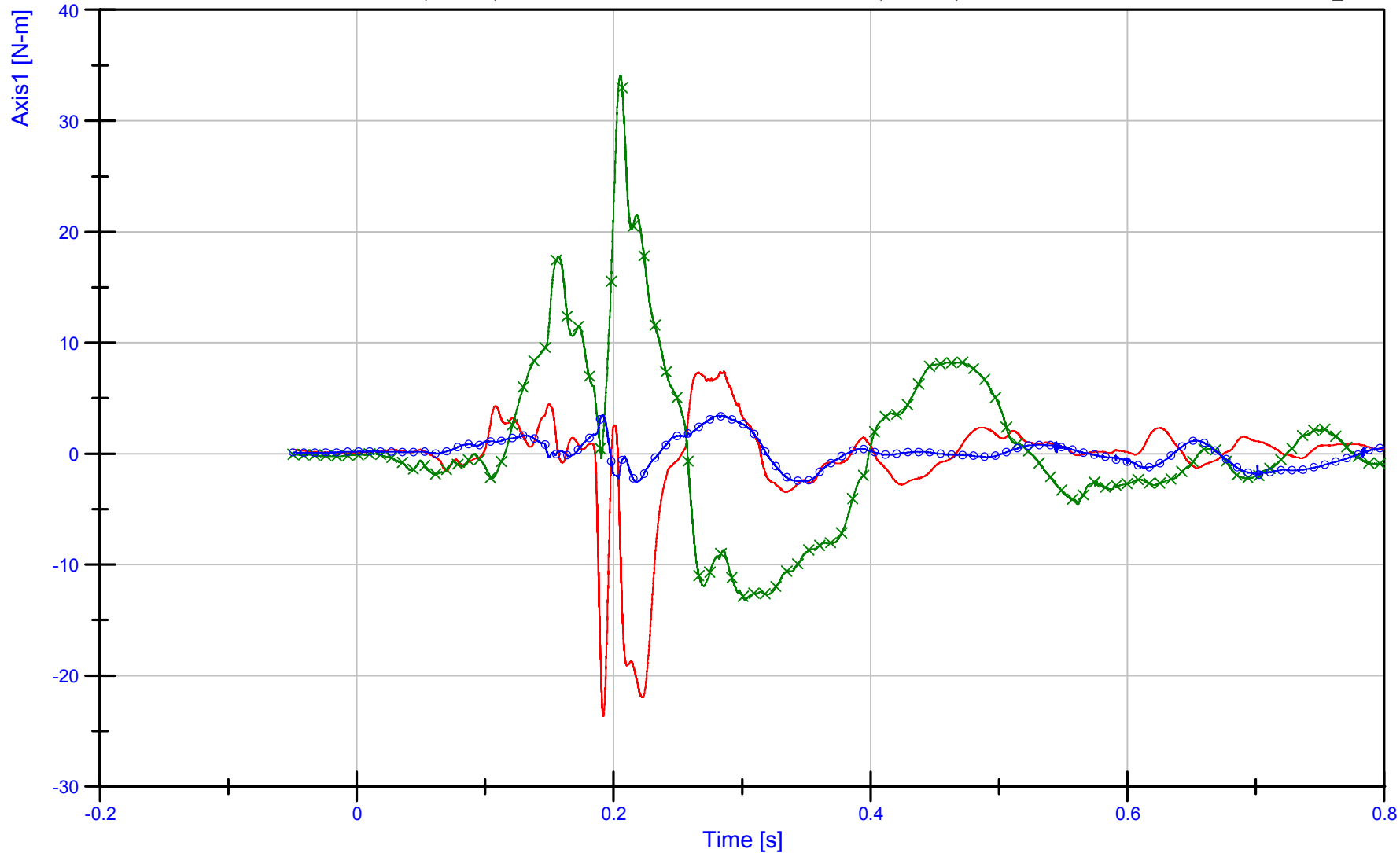
Test Date: 16-Nov-2009

Title: A16 NECK MOMENTS

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R5 Aisle - European

— A16 Neck MX	Max: 7.4 N-m (5.5 lbf-ft) at 0.286 s	Min: -23.7 N-m (-17.4 lbf-ft) at 0.192 s	Filter: CFC_600
—* A16 Neck MY	Max: 34.1 N-m (25.1 lbf-ft) at 0.205 s	Min: -13.2 N-m (-9.7 lbf-ft) at 0.302 s	Filter: CFC_600
—○ A16 Neck MZ	Max: 3.5 N-m (2.6 lbf-ft) at 0.192 s	Min: -2.6 N-m (-1.9 lbf-ft) at 0.218 s	Filter: CFC_600





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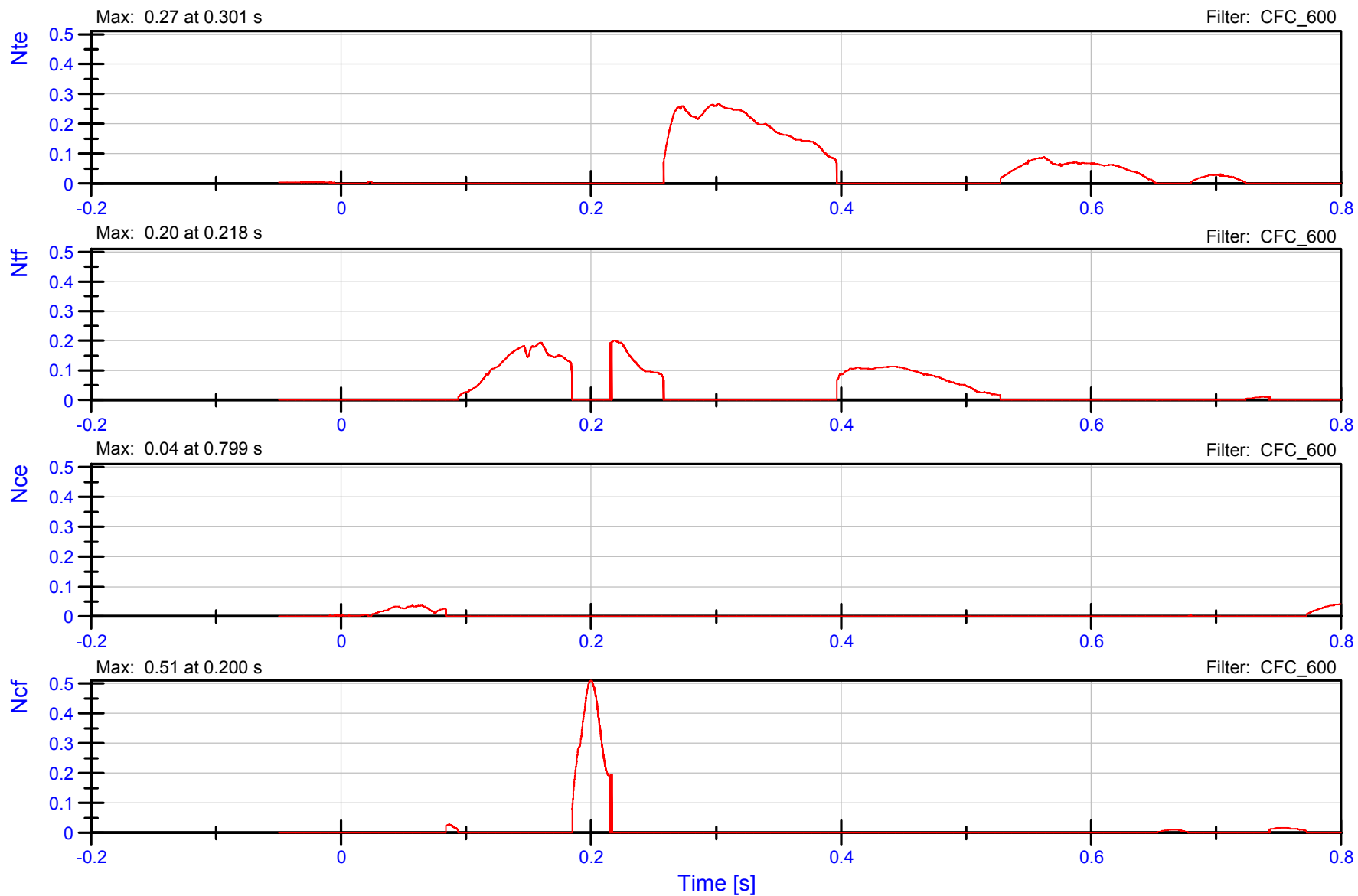
Test ID: CTR03813-001

Test Date: 16-Nov-2009

Title: A16 NECK NIJ

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R5 Aisle - European





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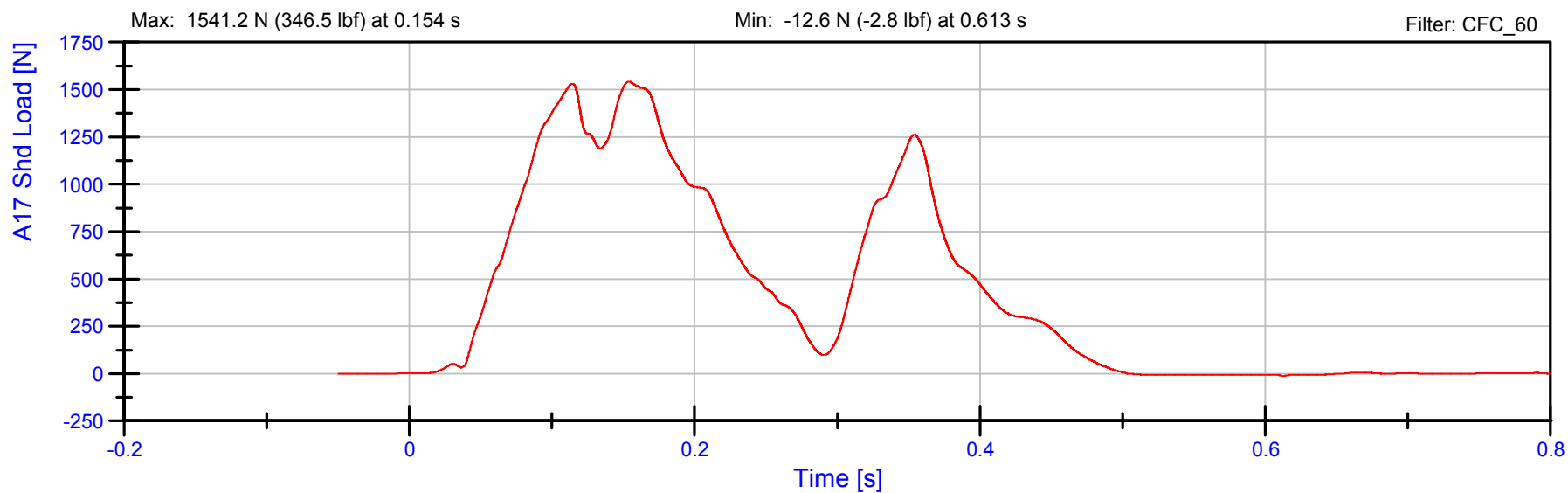
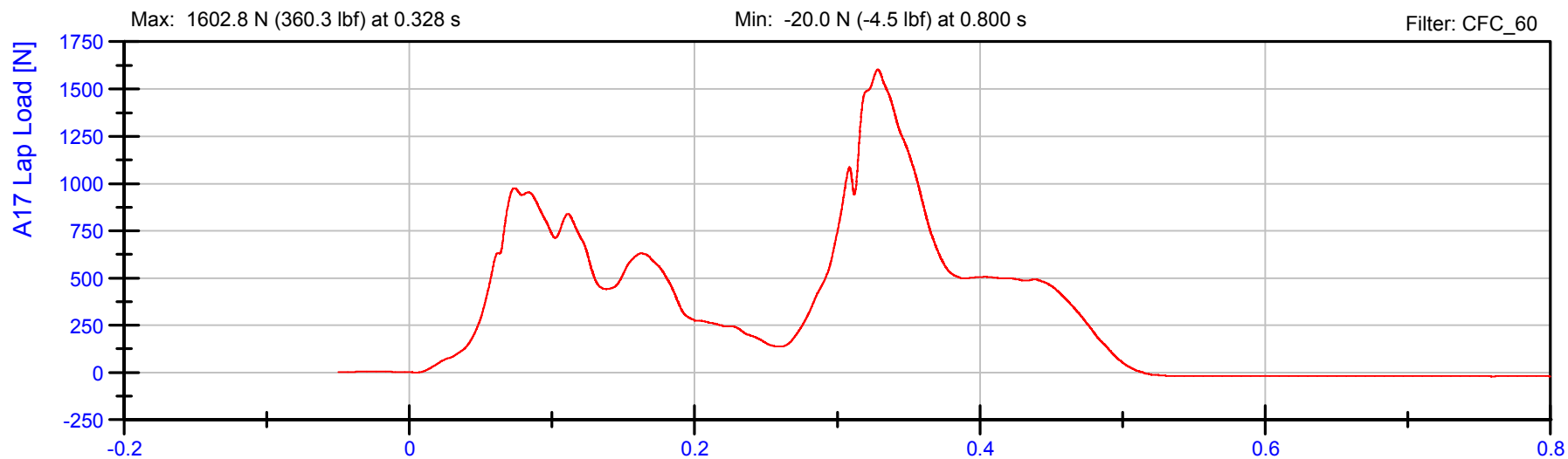
Test ID: CTR03813-001

Test Date: 16-Nov-2009

Title: A17 BELT LOADS

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R8 Aisle - Premier





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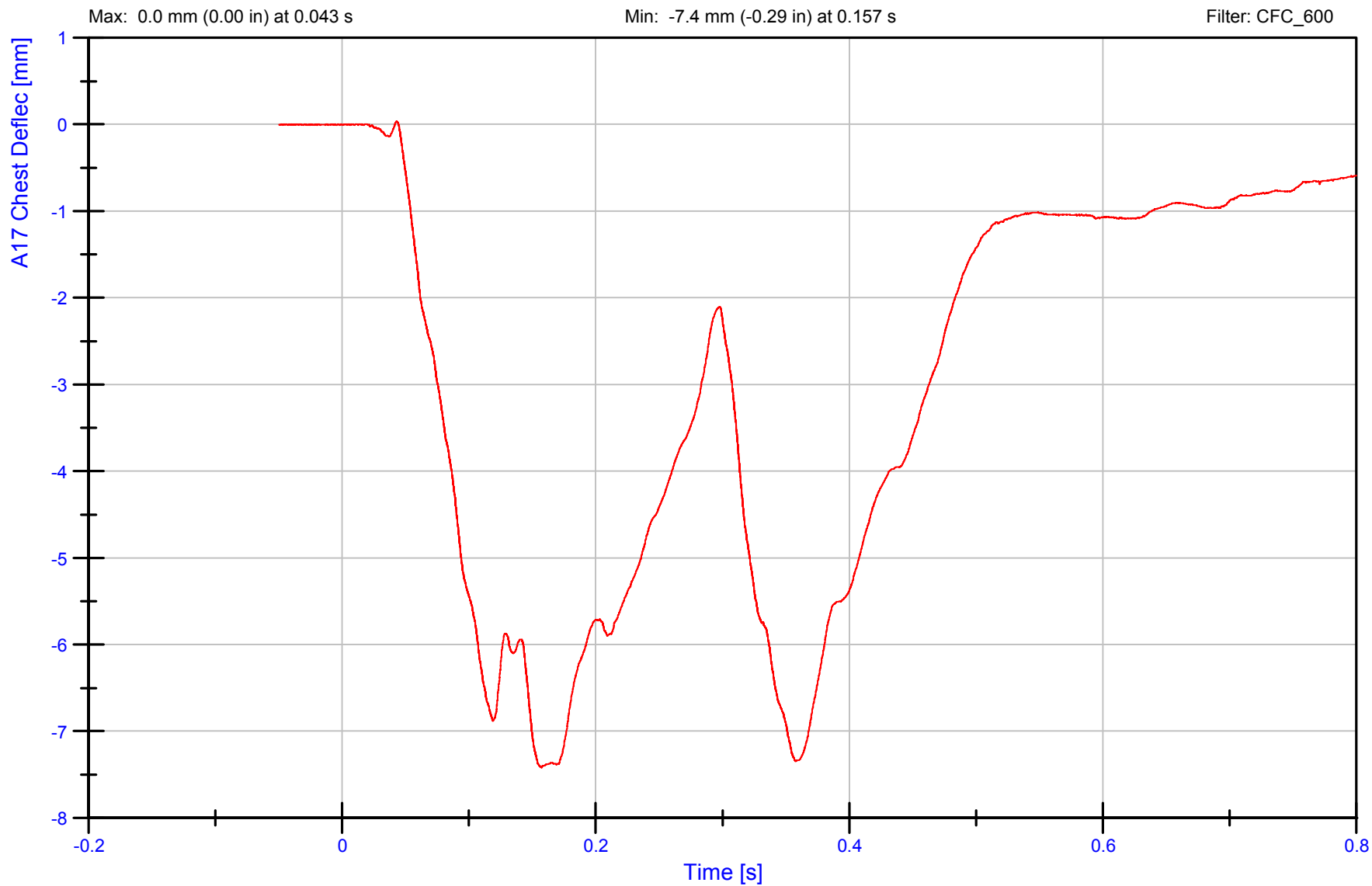
Test ID: CTR03813-001

Test Date: 16-Nov-2009

Title: A17 CHEST DEFLECTION

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R8 Aisle - Premier





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Test ID: CTR03813-001

Test Date: 16-Nov-2009

Title: A17 FEMUR LOADS

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R8 Aisle - Premier

— A17 Femur Left Max: 231.7 N (52.1 lbf) at 0.052 s

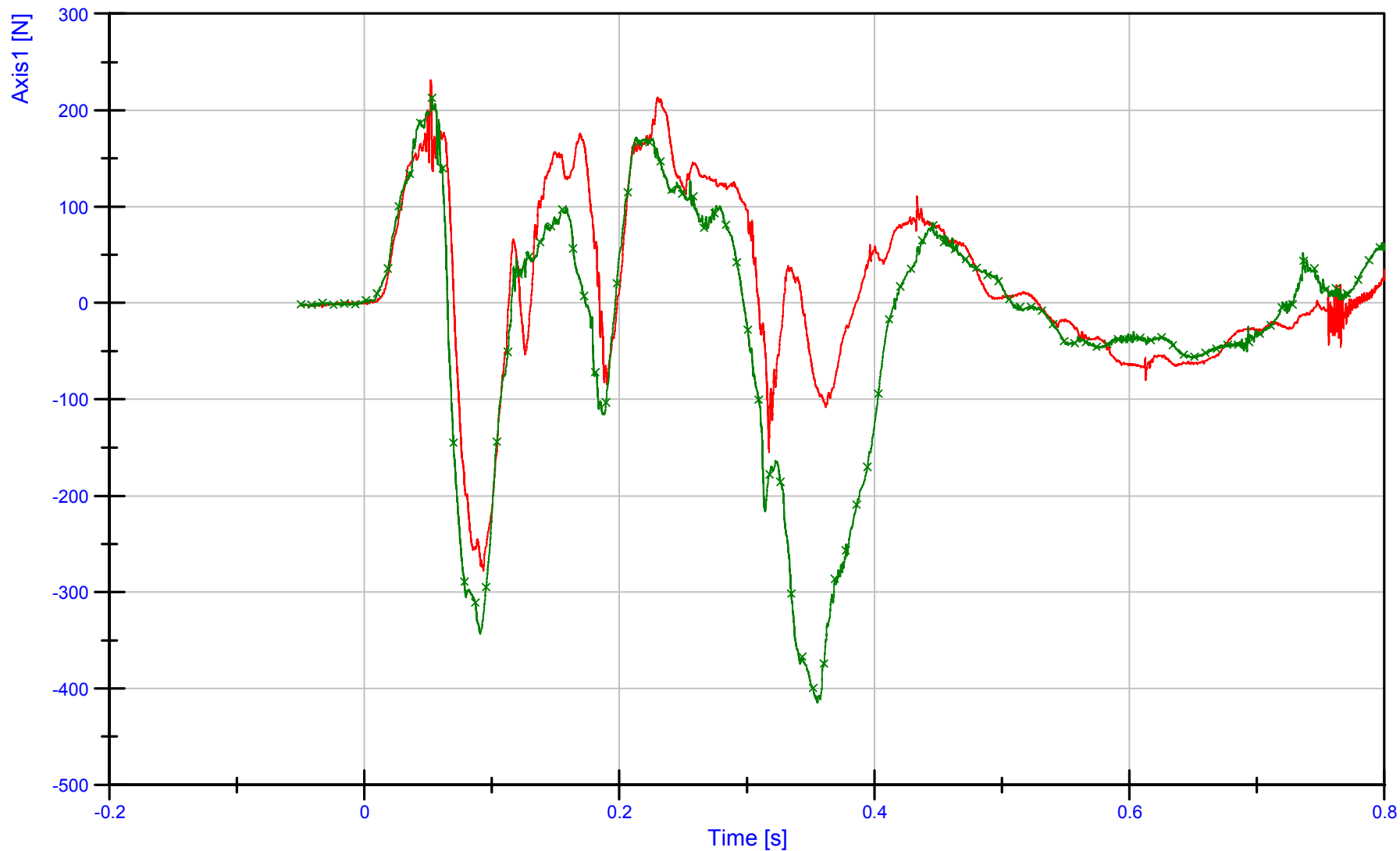
Min: -277.8 N (-62.5 lbf) at 0.093 s

Filter: CFC_600

* A17 Femur Right Max: 213.5 N (48.0 lbf) at 0.053 s

Min: -415.0 N (-93.3 lbf) at 0.355 s

Filter: CFC_600





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Test ID: CTR03813-001
Test Date: 16-Nov-2009

Title: A17 HEAD RESULTANT (HIC36)
Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D
ATD Position: R8 Aisle - Premier

HIC36: 27.85

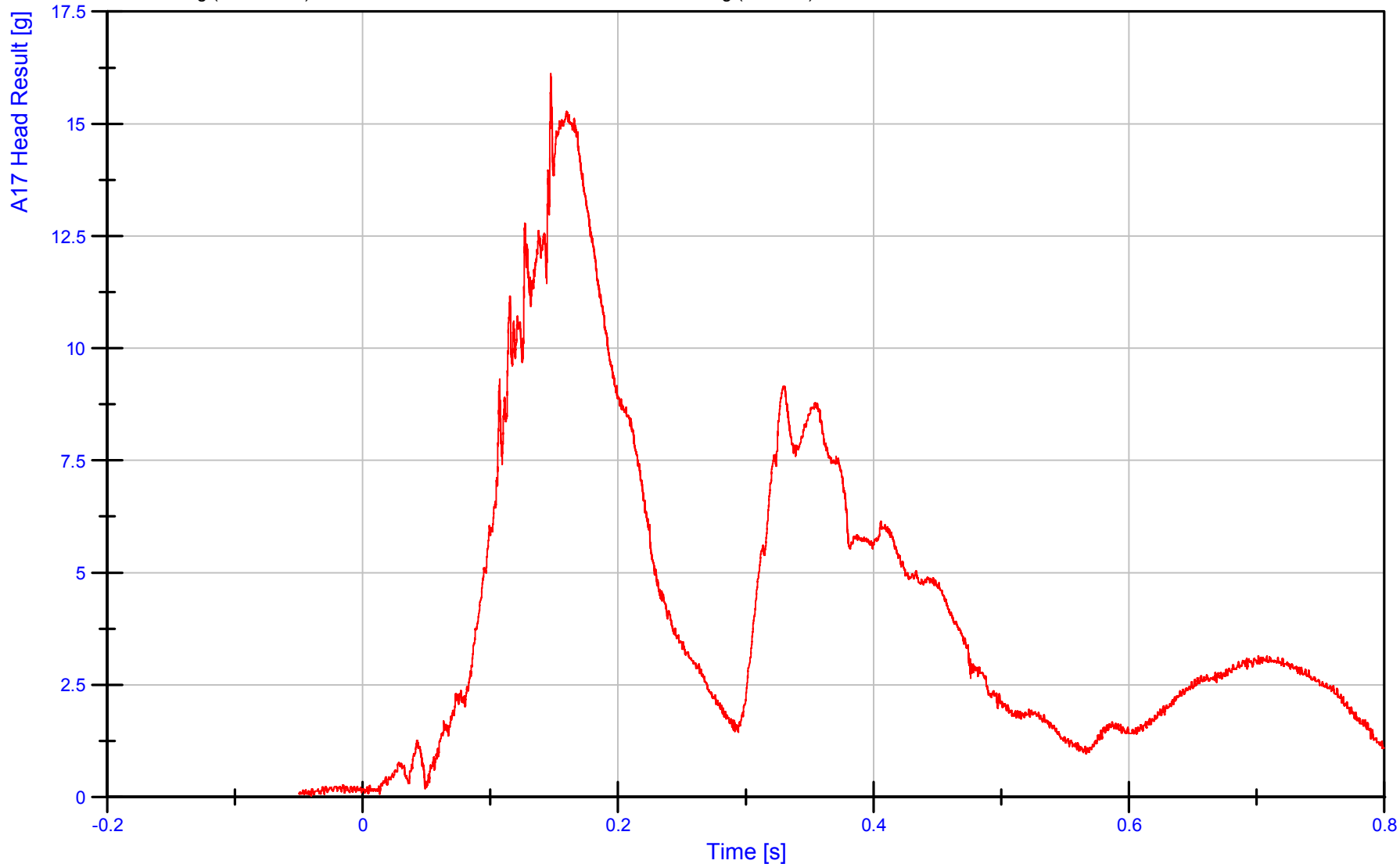
Begin / End (ms): 144.45 / 180.45

Duration: 36.00 ms

Max: 16.1 g (158.1 m/s²) at 0.147 s

Min: 0.0 g (0.2 m/s²) at -0.040 s

Filter: None





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Test ID: CTR03813-001

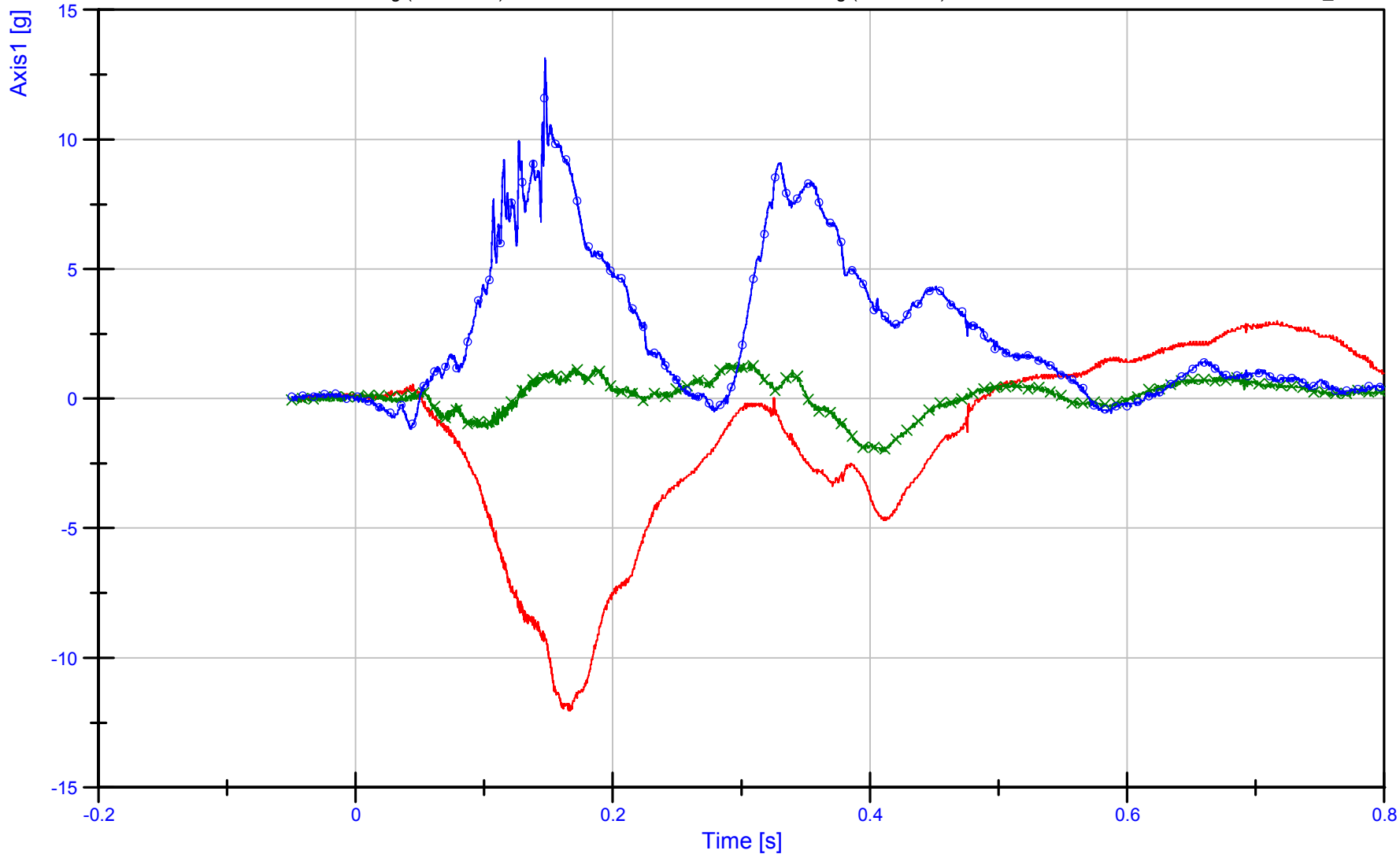
Test Date: 16-Nov-2009

Title: A17 HEAD XYZ

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R8 Aisle - Premier

— A17 Head X	Max: 3.0 g (29.4 m/s ²) at 0.717 s	Min: -12.0 g (-118.0 m/s ²) at 0.166 s	Filter: CFC_1000
— A17 Head Y	Max: 1.4 g (13.3 m/s ²) at 0.302 s	Min: -2.0 g (-19.8 m/s ²) at 0.409 s	Filter: CFC_1000
— A17 Head Z	Max: 13.2 g (129.0 m/s ²) at 0.147 s	Min: -1.2 g (-11.4 m/s ²) at 0.043 s	Filter: CFC_1000





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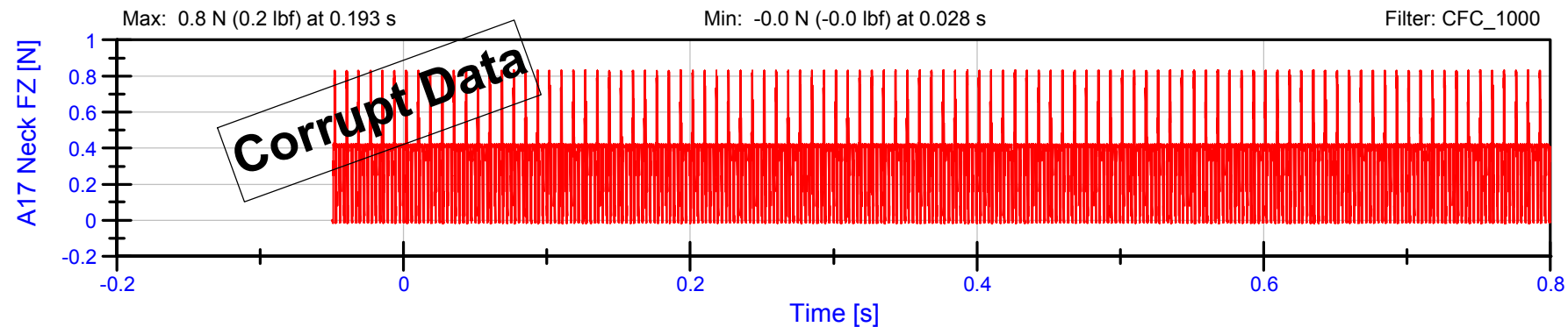
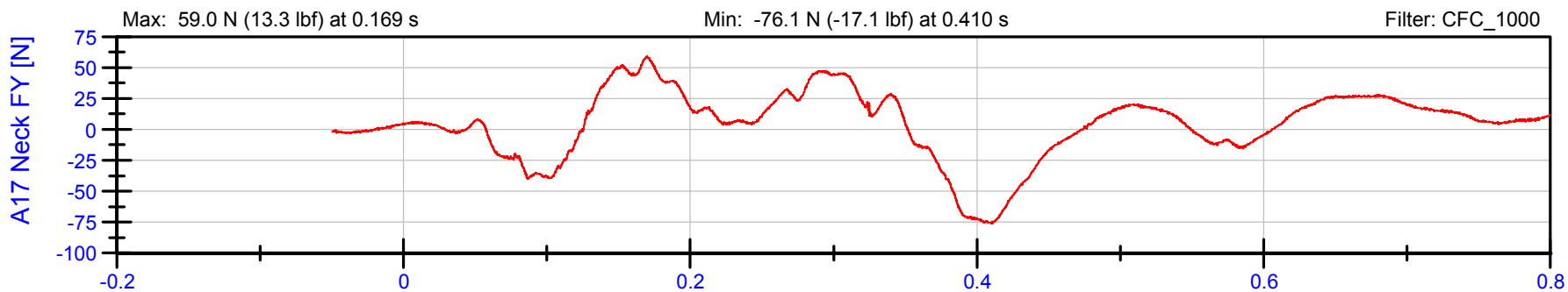
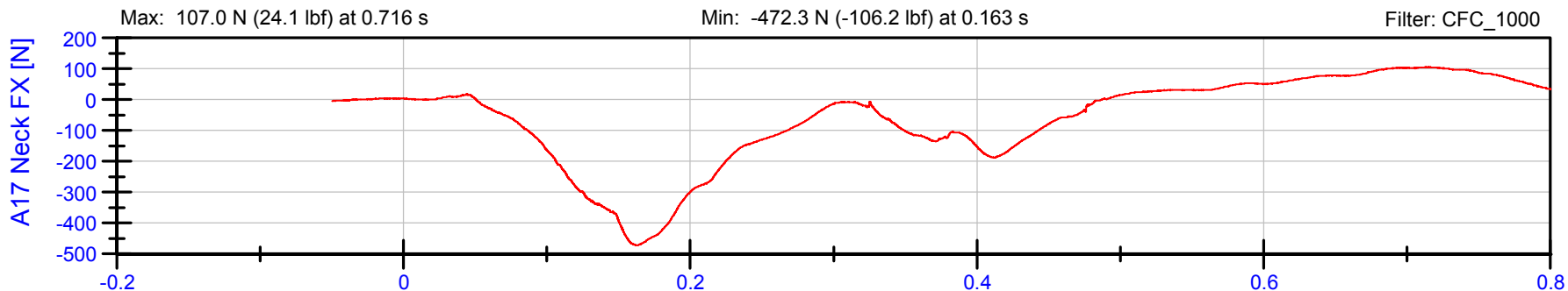
Test ID: CTR03813-001

Title: A17 NECK FORCES

Test Date: 16-Nov-2009

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R8 Aisle - Premier





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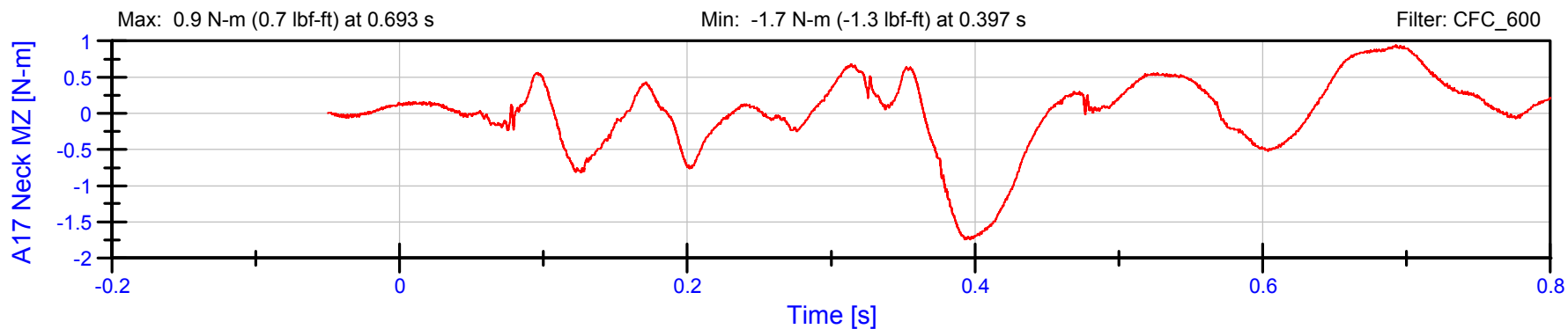
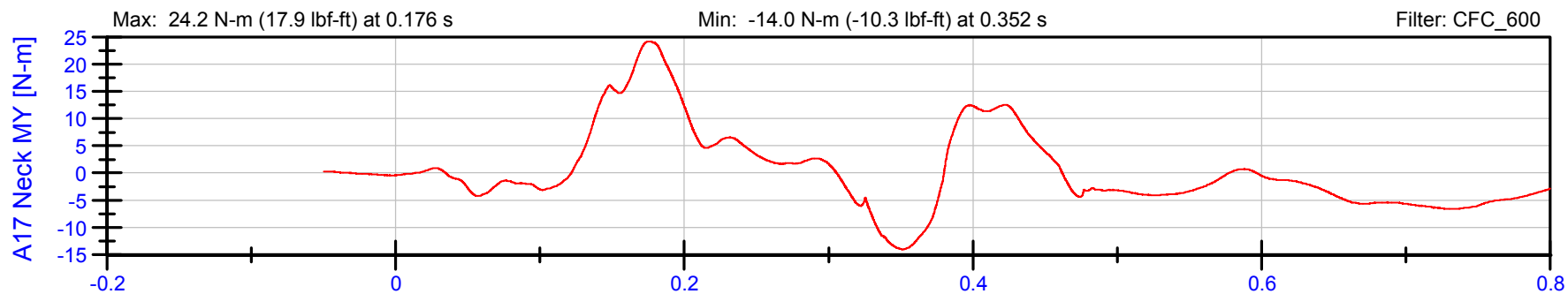
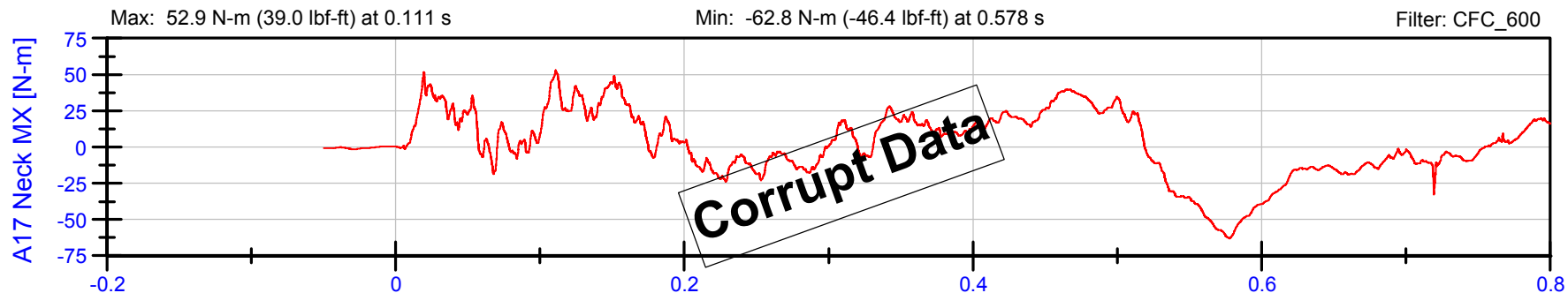
Test ID: CTR03813-001

Title: A17 NECK MOMENTS

Test Date: 16-Nov-2009

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R8 Aisle - Premier

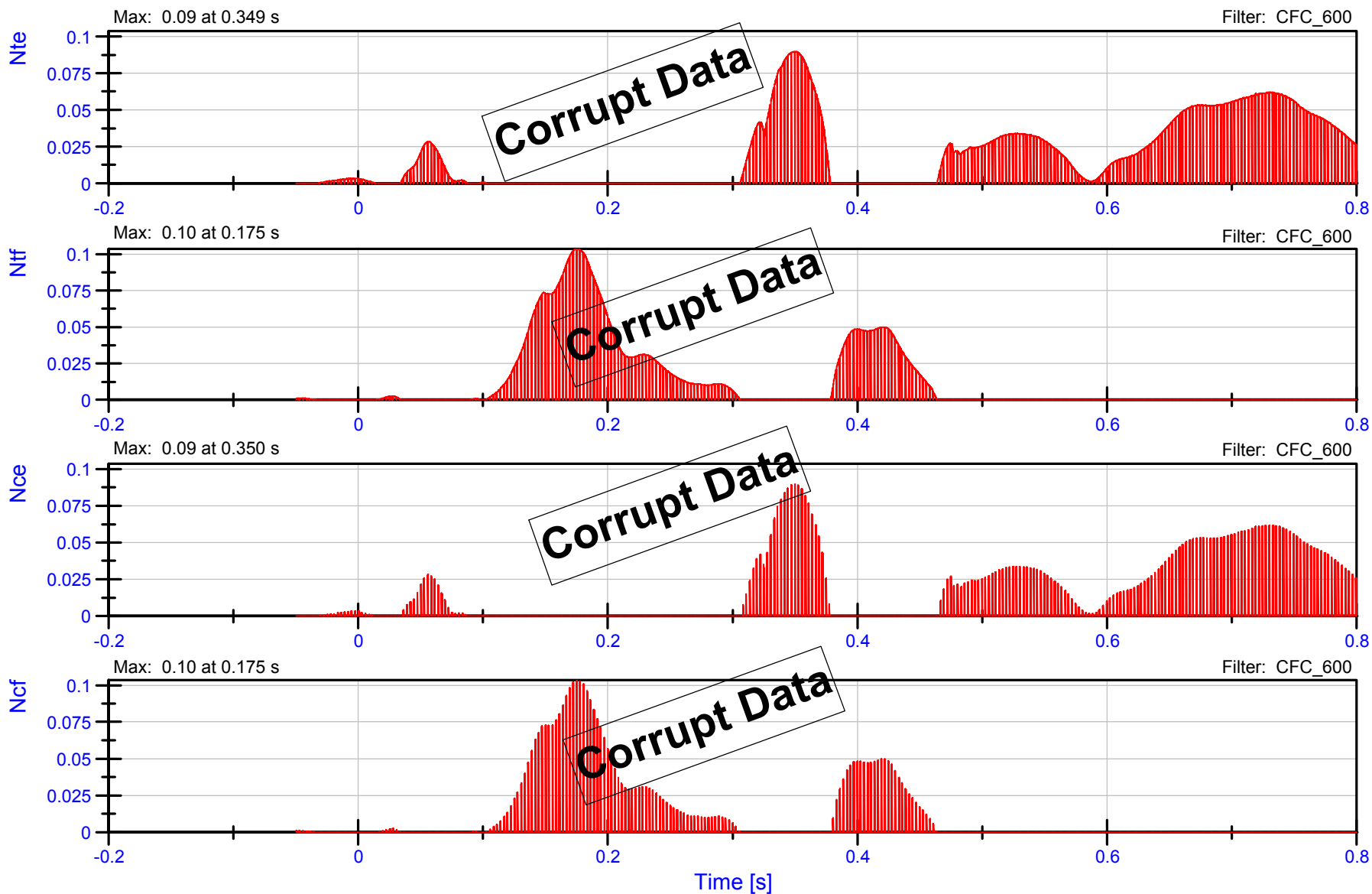




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Test ID: CTR03813-001
Test Date: 16-Nov-2009

Title: A17 NECK NIJ
Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D
ATD Position: R8 Aisle - Premier





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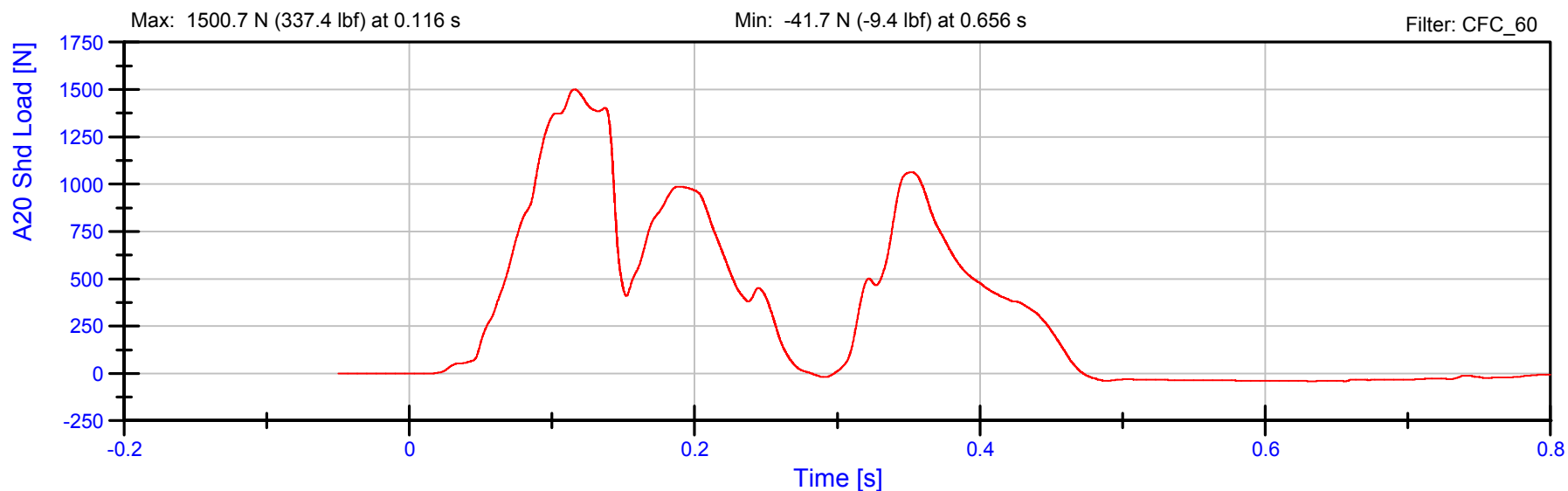
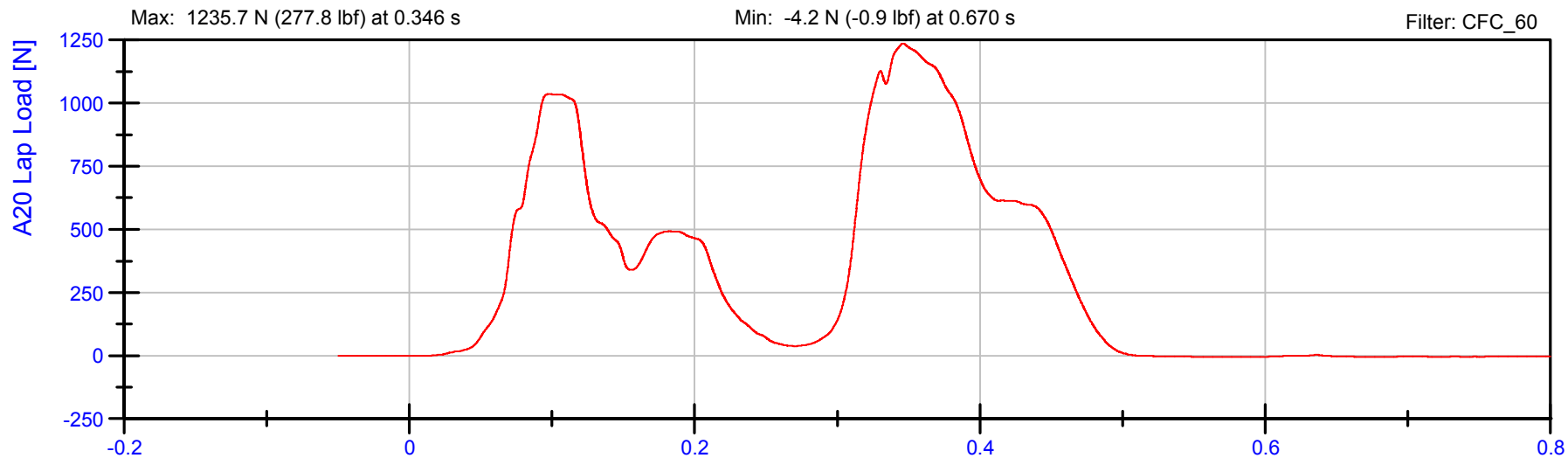
Test ID: CTR03813-001

Test Date: 16-Nov-2009

Title: A20 BELT LOADS

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R9 Aisle - Premier





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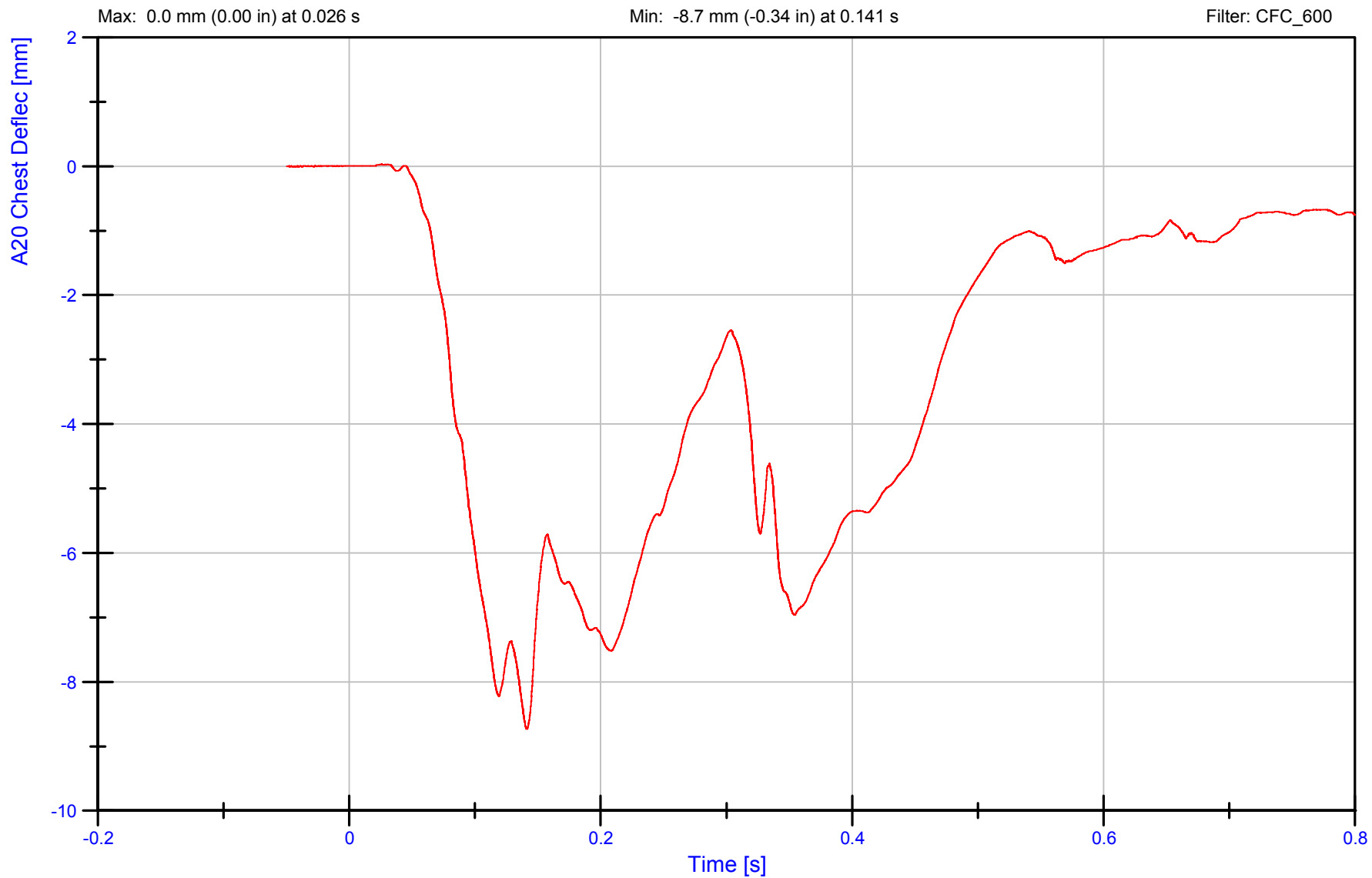
Test ID: CTR03813-001

Test Date: 16-Nov-2009

Title: A20 CHEST DEFLECTION

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R9 Aisle - Premier





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Test ID: CTR03813-001

Test Date: 16-Nov-2009

Title: A20 FEMUR LOADS

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R9 Aisle - Premier

— A20 Femur Left Max: 223.8 N (50.3 lbf) at 0.070 s

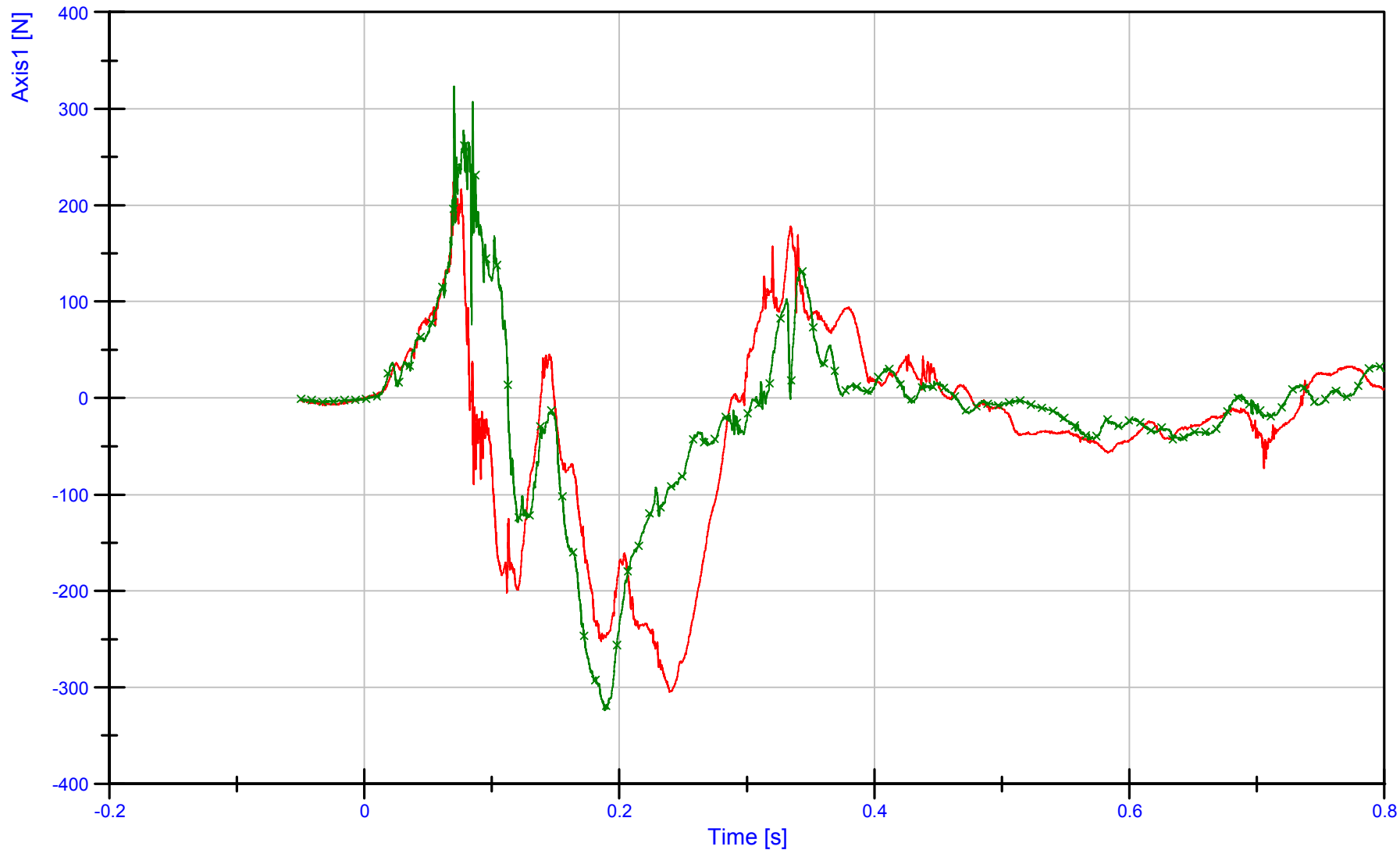
Min: -304.5 N (-68.4 lbf) at 0.239 s

Filter: CFC_600

* A20 Femur Right Max: 323.2 N (72.7 lbf) at 0.070 s

Min: -323.8 N (-72.8 lbf) at 0.188 s

Filter: CFC_600





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Test ID: CTR03813-001

Test Date: 16-Nov-2009

Title: A20 HEAD RESULTANT (HIC36)

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R9 Aisle - Premier

HIC36: 19.61

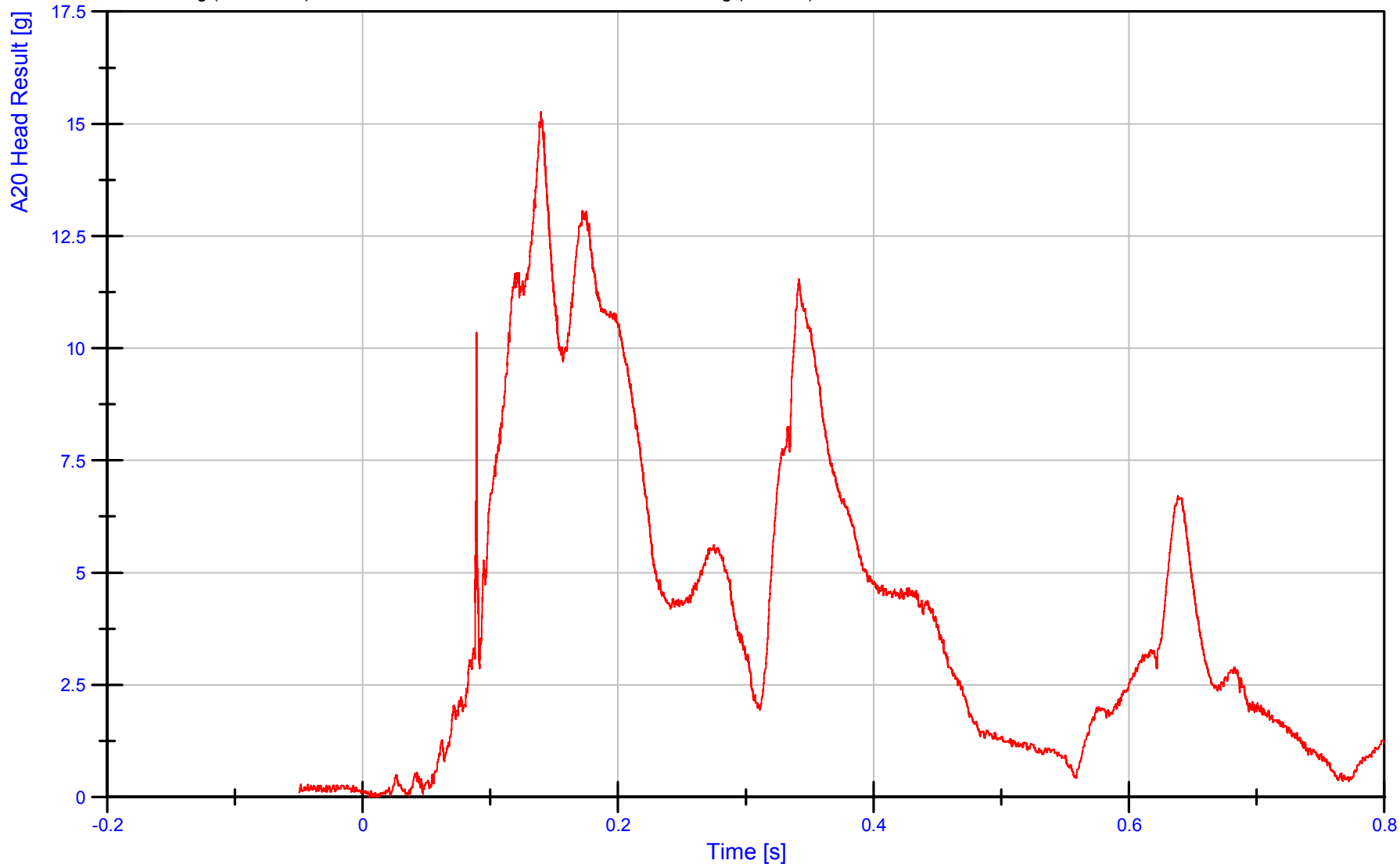
Begin / End (ms): 115.40 / 151.40

Duration: 36.00 ms

Max: 15.3 g (149.7 m/s²) at 0.140 s

Min: 0.0 g (0.0 m/s²) at 0.011 s

Filter: None





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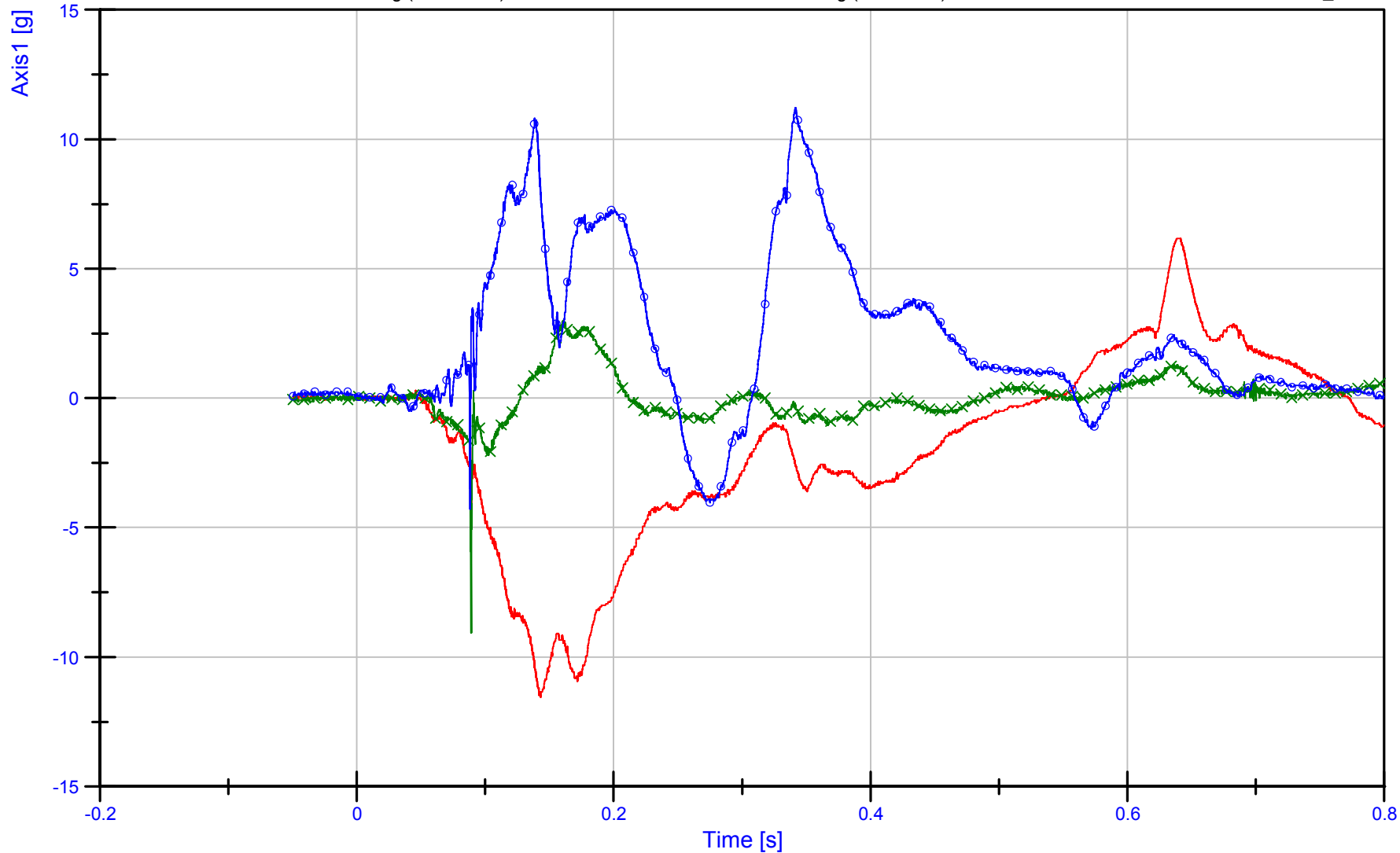
Test Date: 16-Nov-2009

Title: A20 HEAD XYZ

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R9 Aisle - Premier

— A20 Head X	Max: 6.2 g (60.5 m/s ²) at 0.641 s	Min: -11.5 g (-113.2 m/s ²) at 0.143 s	Filter: CFC_1000
— A20 Head Y	Max: 3.0 g (29.4 m/s ²) at 0.160 s	Min: -9.1 g (-88.9 m/s ²) at 0.089 s	Filter: CFC_1000
— A20 Head Z	Max: 11.2 g (110.2 m/s ²) at 0.342 s	Min: -4.3 g (-42.1 m/s ²) at 0.088 s	Filter: CFC_1000





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Test ID: CTR03813-001

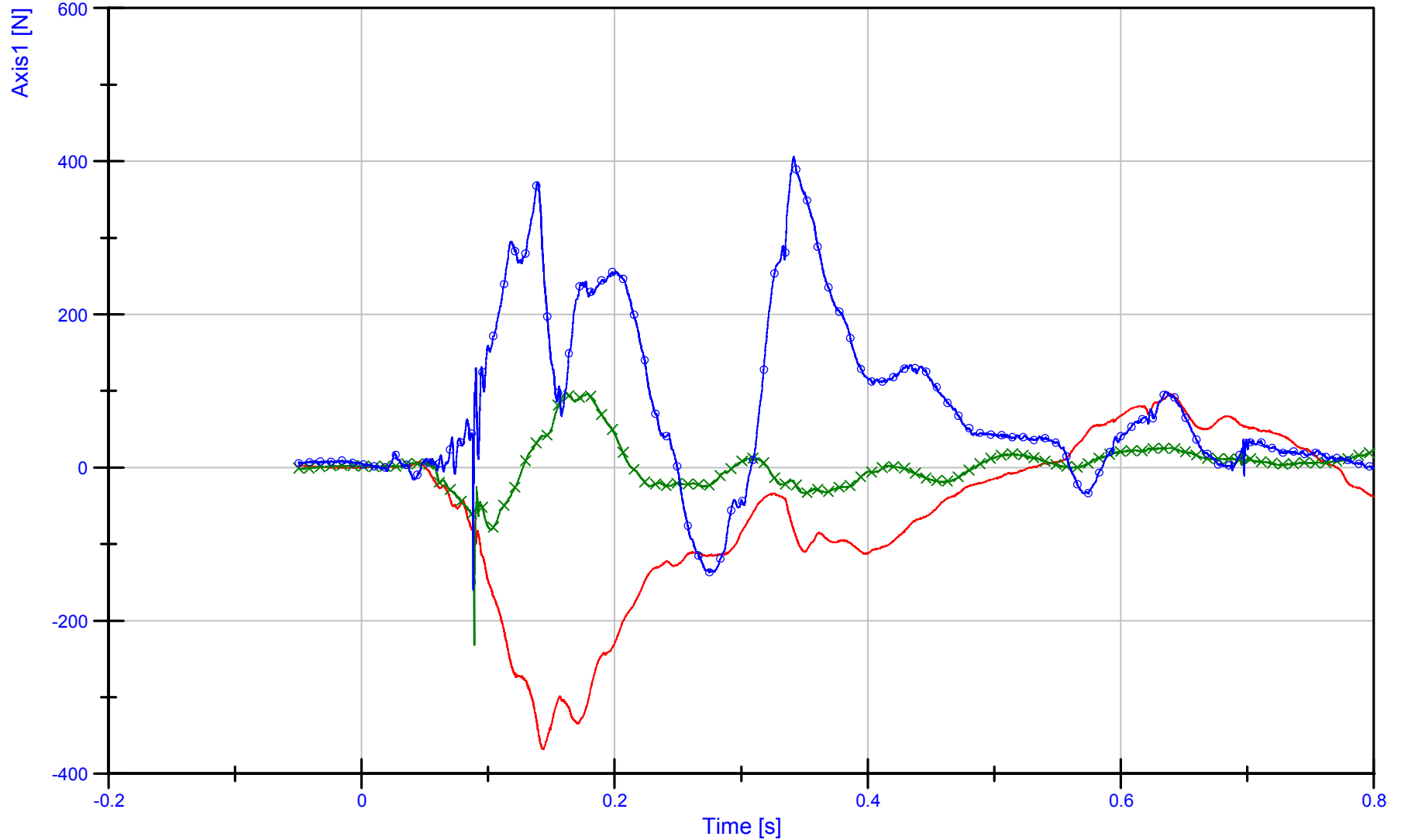
Test Date: 16-Nov-2009

Title: A20 NECK FORCES

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R9 Aisle - Premier

A20 Neck FX	Max: 96.2 N (21.6 lbf) at 0.639 s	Min: -368.2 N (-82.8 lbf) at 0.144 s	Filter: CFC_1000
A20 Neck FY	Max: 97.8 N (22.0 lbf) at 0.161 s	Min: -232.1 N (-52.2 lbf) at 0.089 s	Filter: CFC_1000
A20 Neck FZ	Max: 405.9 N (91.2 lbf) at 0.341 s	Min: -159.2 N (-35.8 lbf) at 0.088 s	Filter: CFC_1000





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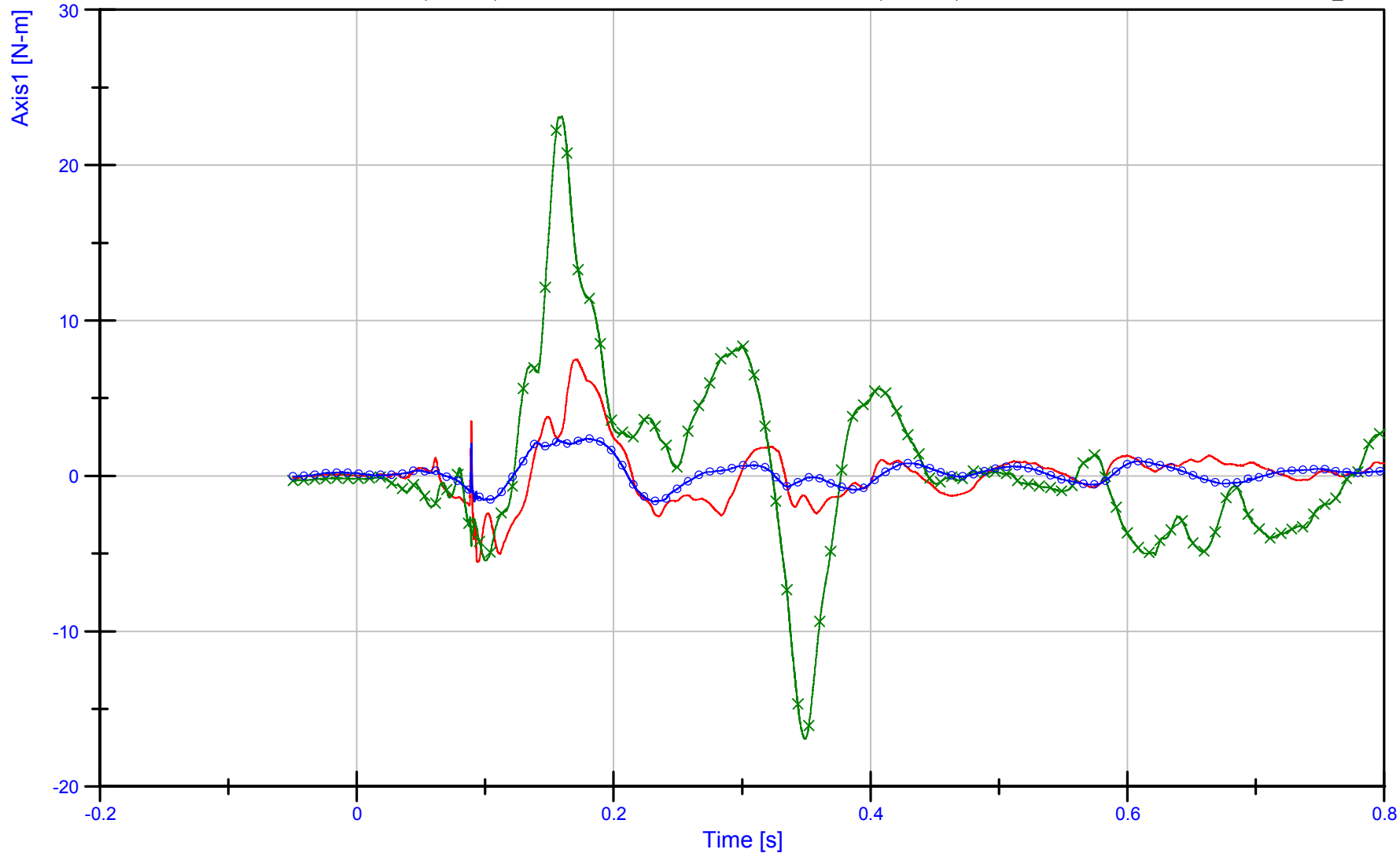
Test Date: 16-Nov-2009

Title: A20 NECK MOMENTS

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R9 Aisle - Premier

— A20 Neck MX	Max: 7.5 N-m (5.5 lbf-ft) at 0.172 s	Min: -5.5 N-m (-4.1 lbf-ft) at 0.094 s	Filter: CFC_600
—* A20 Neck MY	Max: 23.1 N-m (17.1 lbf-ft) at 0.160 s	Min: -16.9 N-m (-12.5 lbf-ft) at 0.349 s	Filter: CFC_600
—○ A20 Neck MZ	Max: 2.4 N-m (1.8 lbf-ft) at 0.178 s	Min: -1.7 N-m (-1.2 lbf-ft) at 0.231 s	Filter: CFC_600

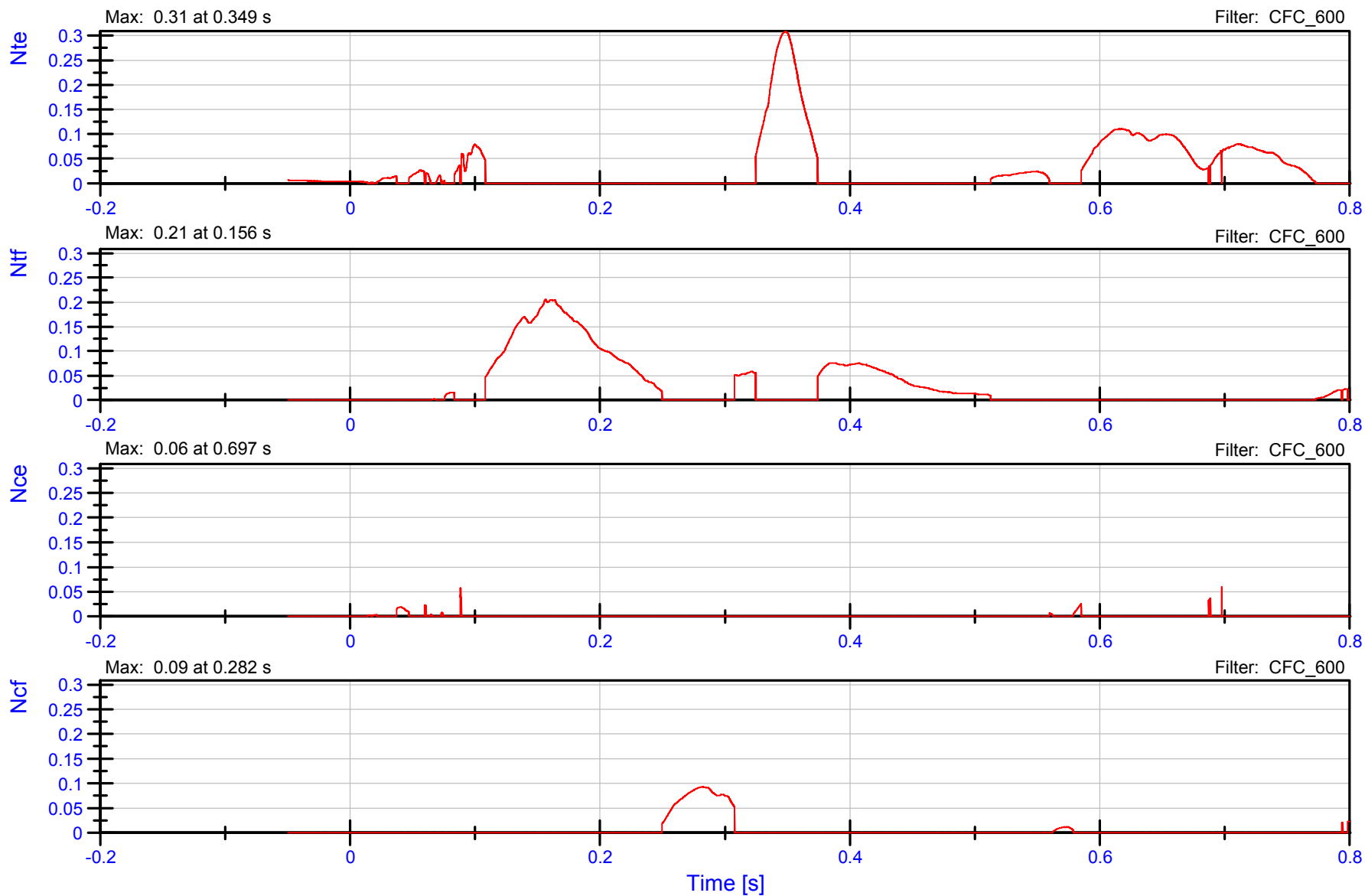




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Test ID: CTR03813-001
Test Date: 16-Nov-2009

Title: A20 NECK NIJ
Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D
ATD Position: R9 Aisle - Premier





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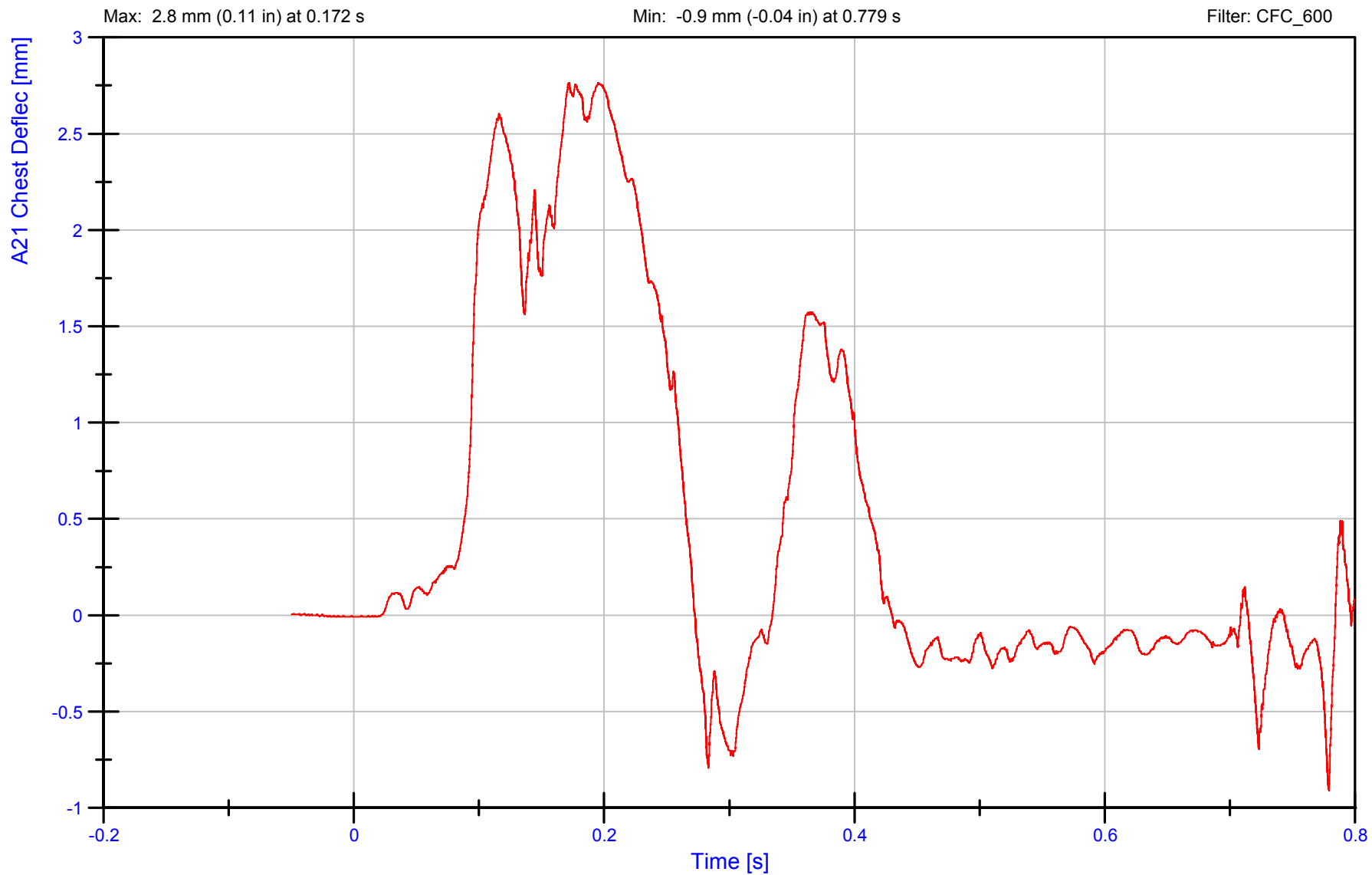
Test ID: CTR03813-001

Test Date: 16-Nov-2009

Title: A21 CHEST DEFLECTION

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R10 Aisle - Premier





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Test ID: CTR03813-001

Test Date: 16-Nov-2009

Title: A21 FEMUR LOADS

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R10 Aisle - Premier

— A21 Femur Left Max: 586.3 N (131.8 lbf) at 0.458 s

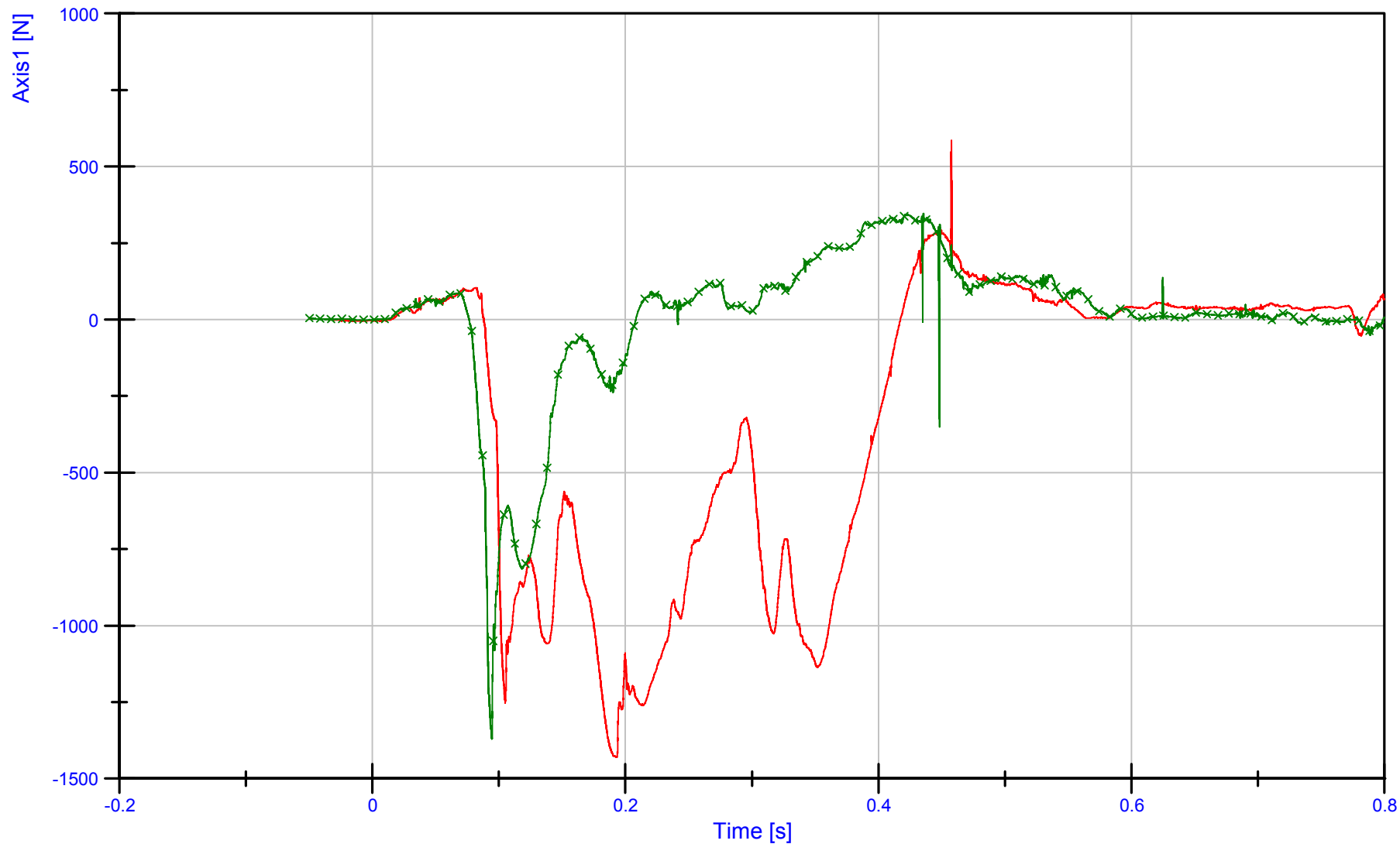
Min: -1430.5 N (-321.6 lbf) at 0.193 s

Filter: CFC_600

—* A21 Femur Right Max: 347.9 N (78.2 lbf) at 0.435 s

Min: -1372.0 N (-308.4 lbf) at 0.094 s

Filter: CFC_600





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Test ID: CTR03813-001

Test Date: 16-Nov-2009

Title: A21 HEAD RESULTANT (HIC36)

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R10 Aisle - Premier

HIC36: 159.37

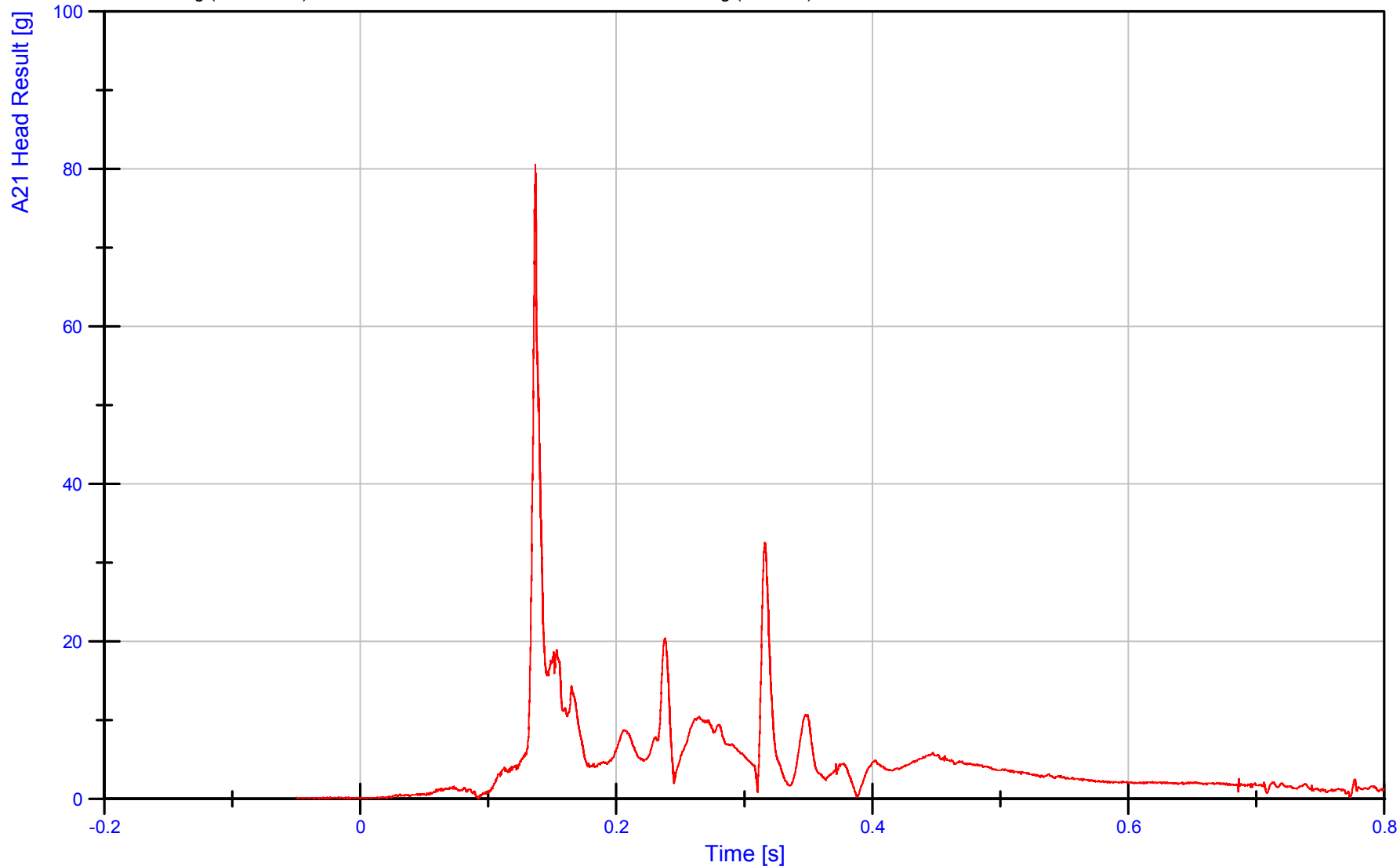
Begin / End (ms): 133.95 / 141.40

Duration: 7.45 ms

Max: 80.6 g (790.0 m/s²) at 0.137 s

Min: 0.0 g (0.0 m/s²) at -0.036 s

Filter: None





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Test ID: CTR03813-001

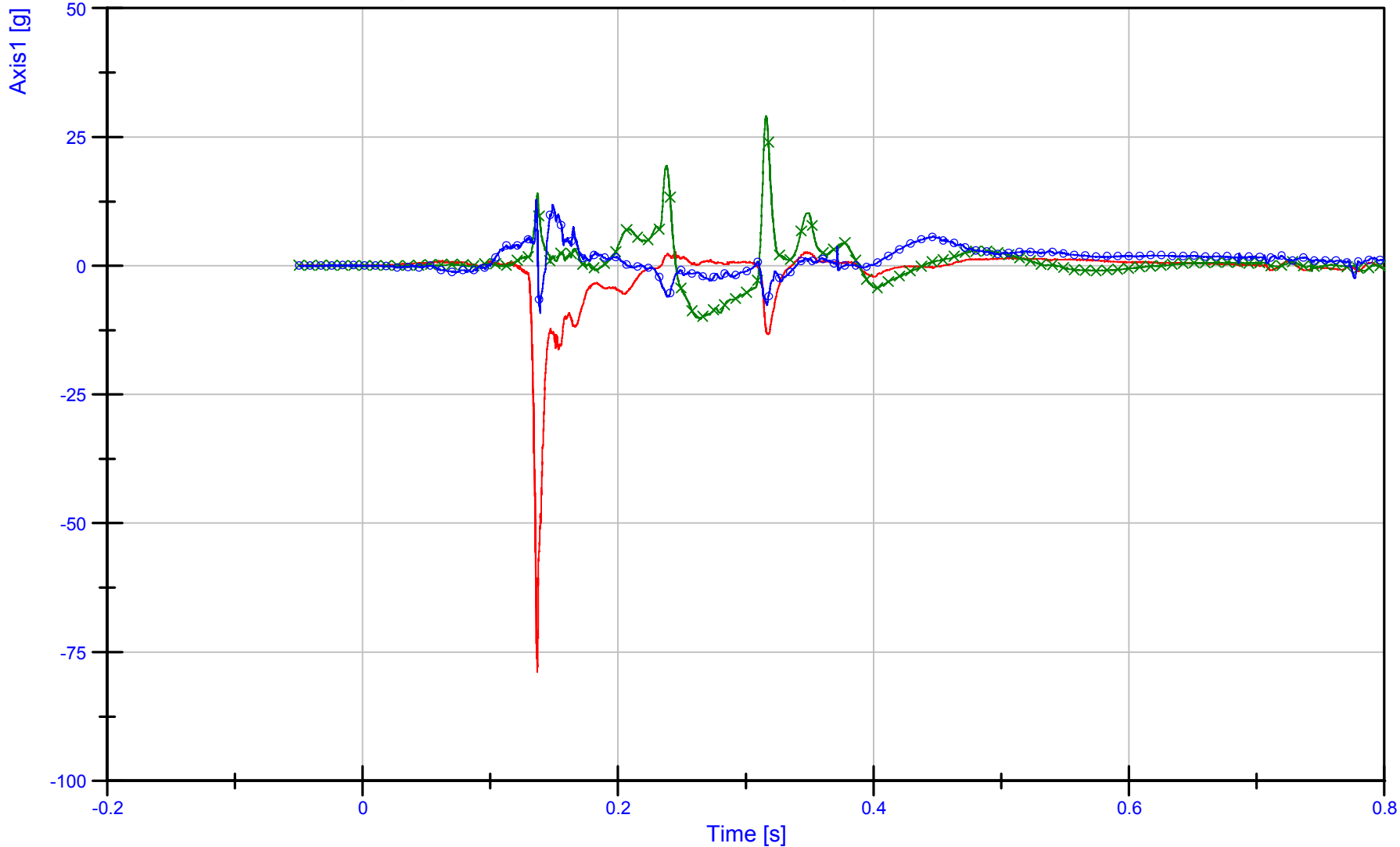
Test Date: 16-Nov-2009

Title: A21 HEAD XYZ

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R10 Aisle - Premier

— A21 Head X	Max: 2.7 g (26.6 m/s ²) at 0.245 s	Min: -78.8 g (-773.1 m/s ²) at 0.137 s	Filter: CFC_1000
× A21 Head Y	Max: 29.1 g (285.1 m/s ²) at 0.316 s	Min: -10.3 g (-100.7 m/s ²) at 0.265 s	Filter: CFC_1000
○ A21 Head Z	Max: 12.8 g (125.8 m/s ²) at 0.136 s	Min: -9.2 g (-90.3 m/s ²) at 0.139 s	Filter: CFC_1000





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Test ID: CTR03813-001

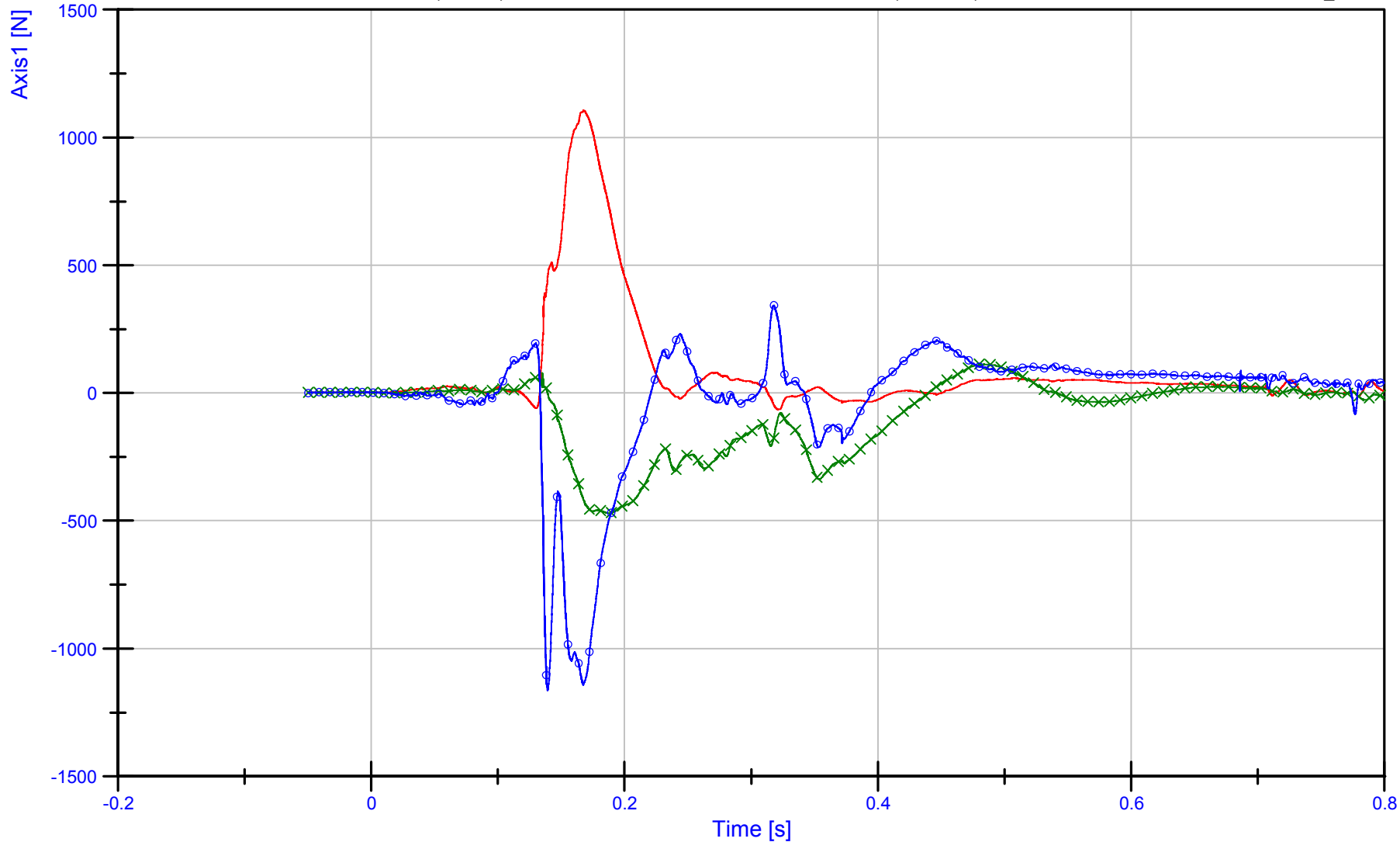
Test Date: 16-Nov-2009

Title: A21 NECK FORCES

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R10 Aisle - Premier

— A21 Neck FX	Max: 1105.8 N (248.6 lbf) at 0.168 s	Min: -65.0 N (-14.6 lbf) at 0.321 s	Filter: CFC_1000
— A21 Neck FY	Max: 113.3 N (25.5 lbf) at 0.484 s	Min: -470.3 N (-105.7 lbf) at 0.187 s	Filter: CFC_1000
— A21 Neck FZ	Max: 342.8 N (77.1 lbf) at 0.318 s	Min: -1162.3 N (-261.3 lbf) at 0.139 s	Filter: CFC_1000





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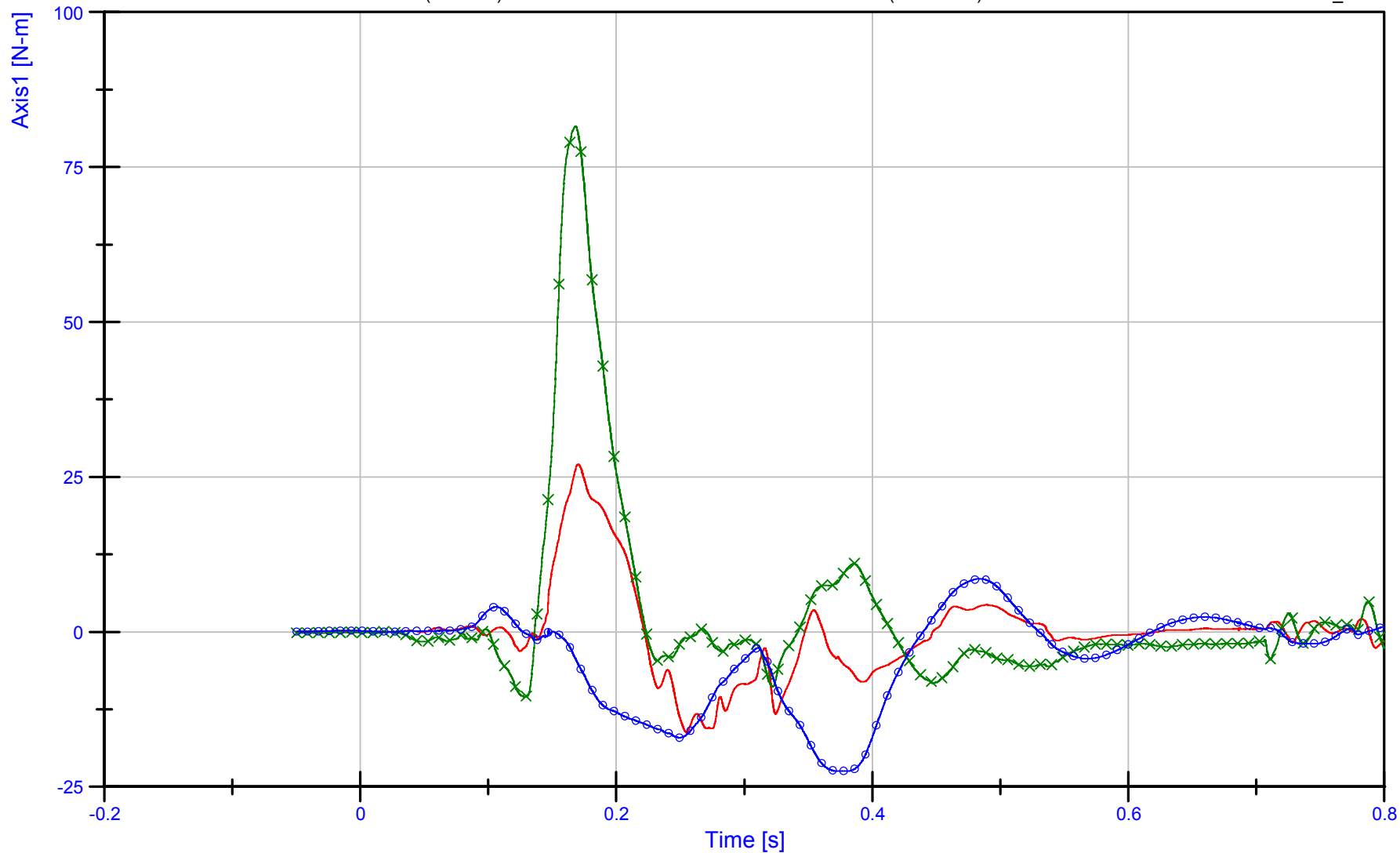
Test Date: 16-Nov-2009

Title: A21 NECK MOMENTS

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R10 Aisle - Premier

A21 Neck MX	Max: 27.0 N-m (19.9 lbf-ft) at 0.170 s	Min: -16.3 N-m (-12.0 lbf-ft) at 0.255 s	Filter: CFC_600
A21 Neck MY	Max: 81.6 N-m (60.2 lbf-ft) at 0.168 s	Min: -10.5 N-m (-7.7 lbf-ft) at 0.128 s	Filter: CFC_600
A21 Neck MZ	Max: 8.6 N-m (6.3 lbf-ft) at 0.483 s	Min: -22.5 N-m (-16.6 lbf-ft) at 0.380 s	Filter: CFC_600





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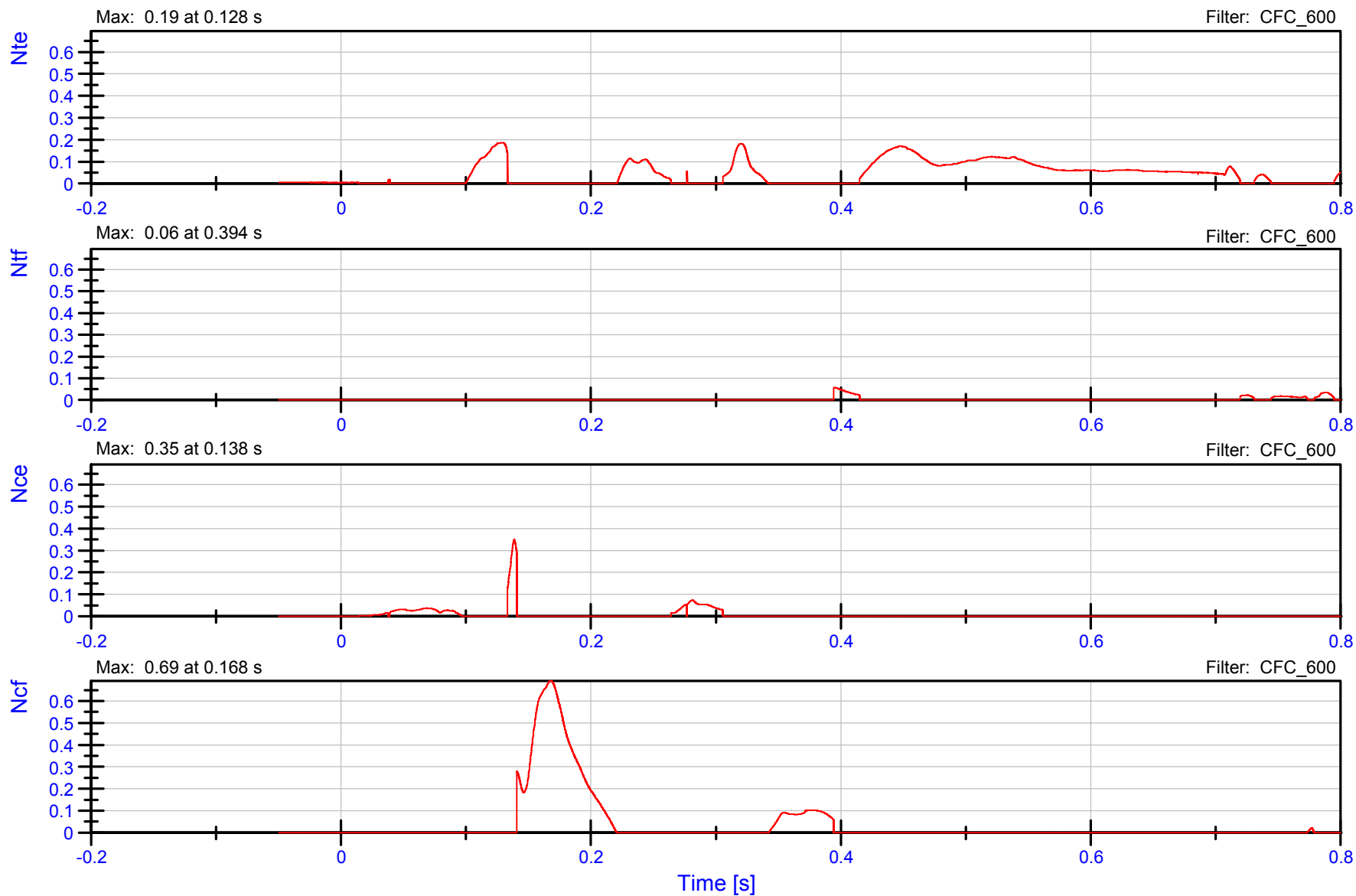
Test ID: CTR03813-001

Test Date: 16-Nov-2009

Title: A21 NECK NIJ

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R10 Aisle - Premier





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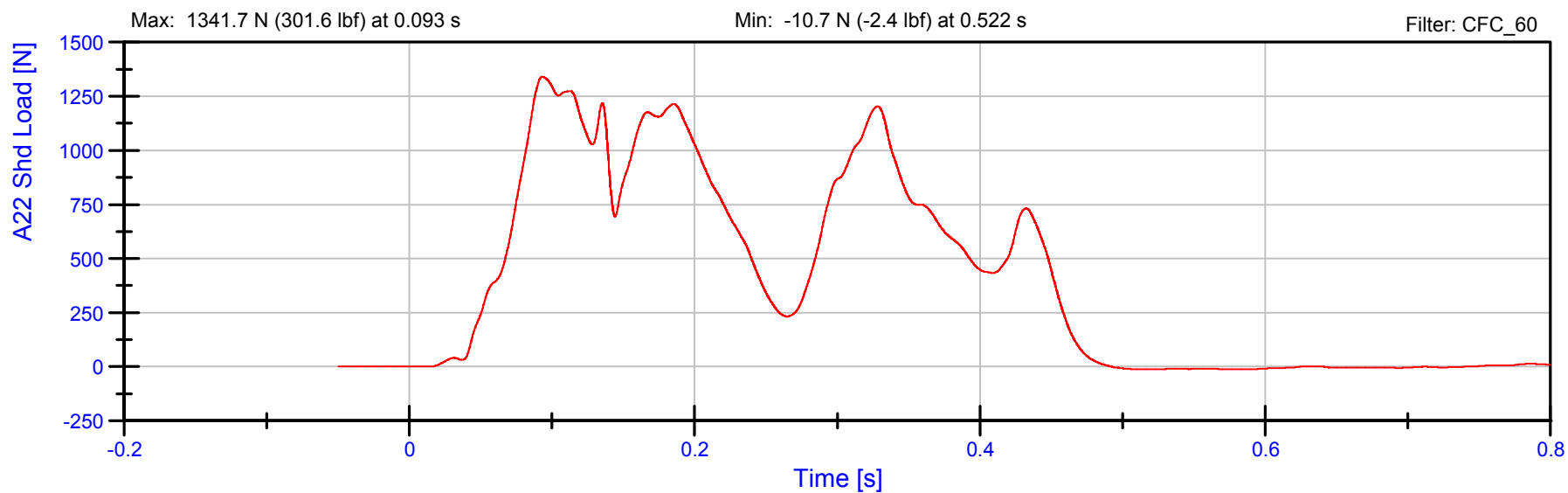
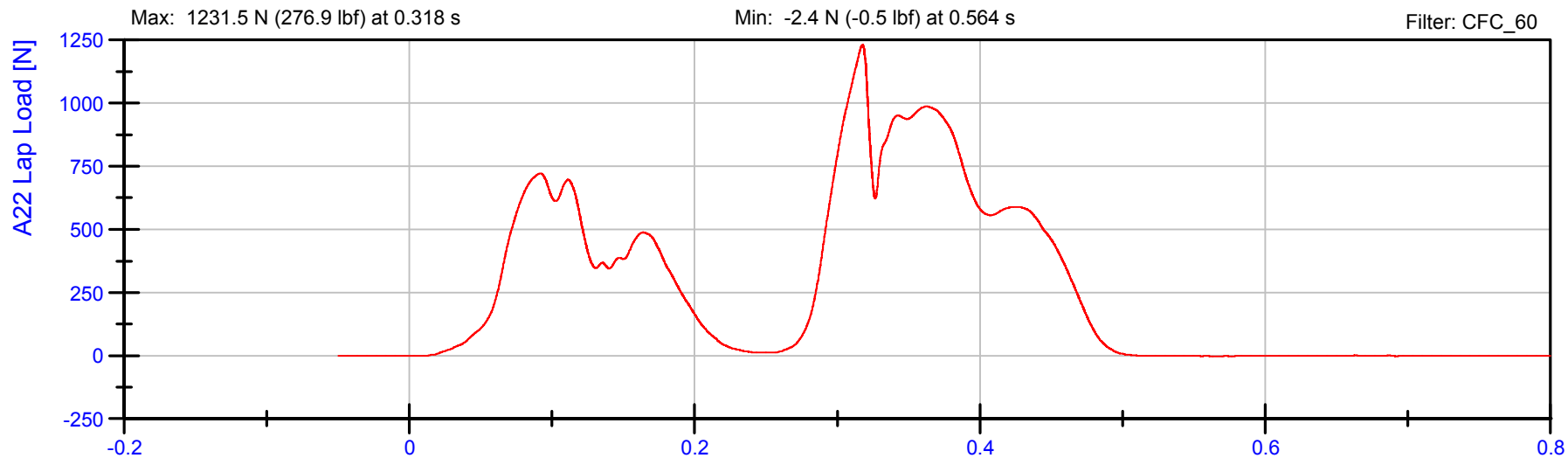
Test ID: CTR03813-001

Test Date: 16-Nov-2009

Title: A22 BELT LOADS

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R9 Wall - Premier





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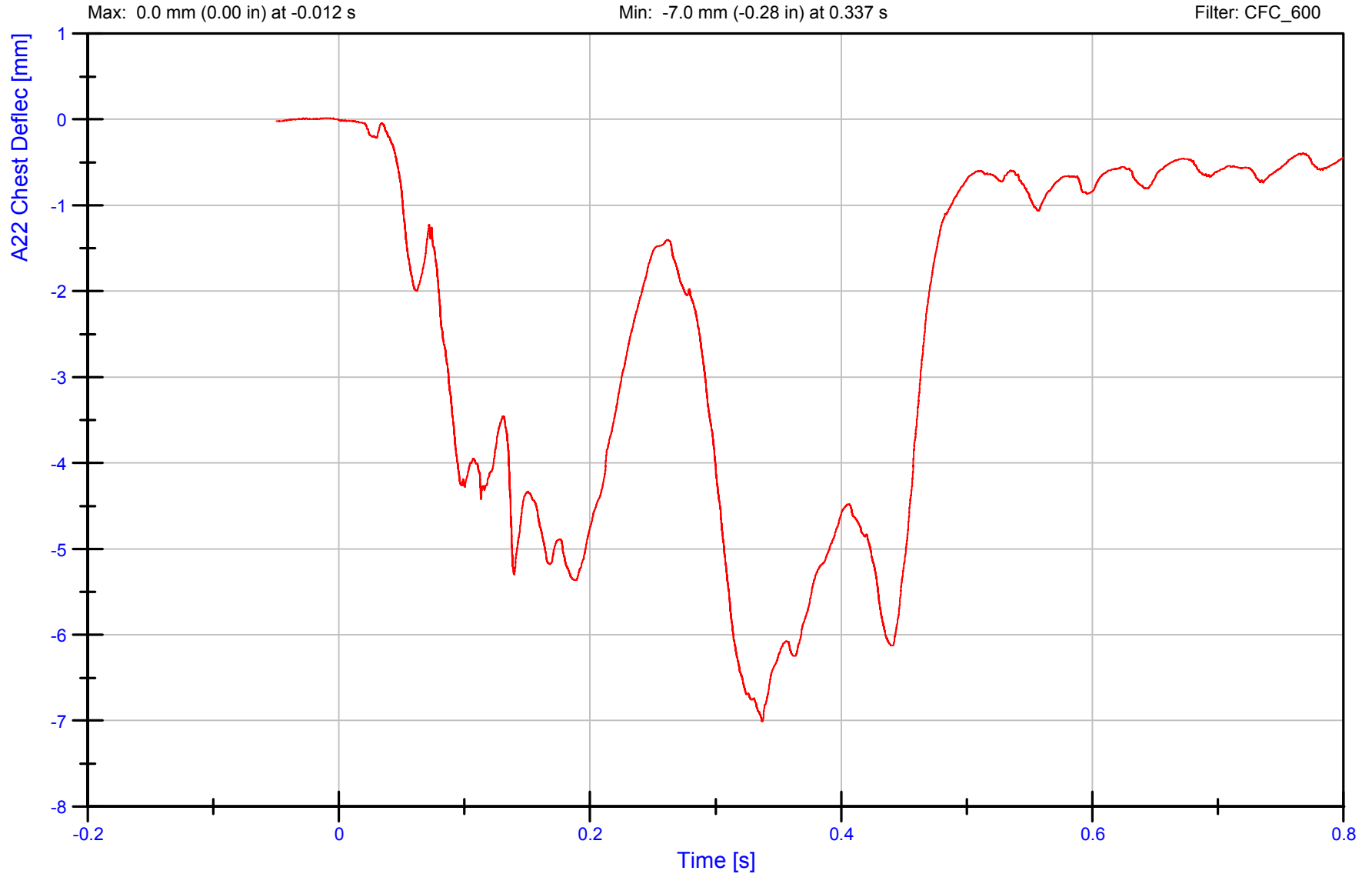
Test ID: CTR03813-001

Test Date: 16-Nov-2009

Title: A22 CHEST DEFLECTION

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R9 Wall - Premier





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Test ID: CTR03813-001

Test Date: 16-Nov-2009

Title: A22 FEMUR LOADS

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R9 Wall - Premier

— A22 Femur Left Max: 160.6 N (36.1 lbf) at 0.040 s

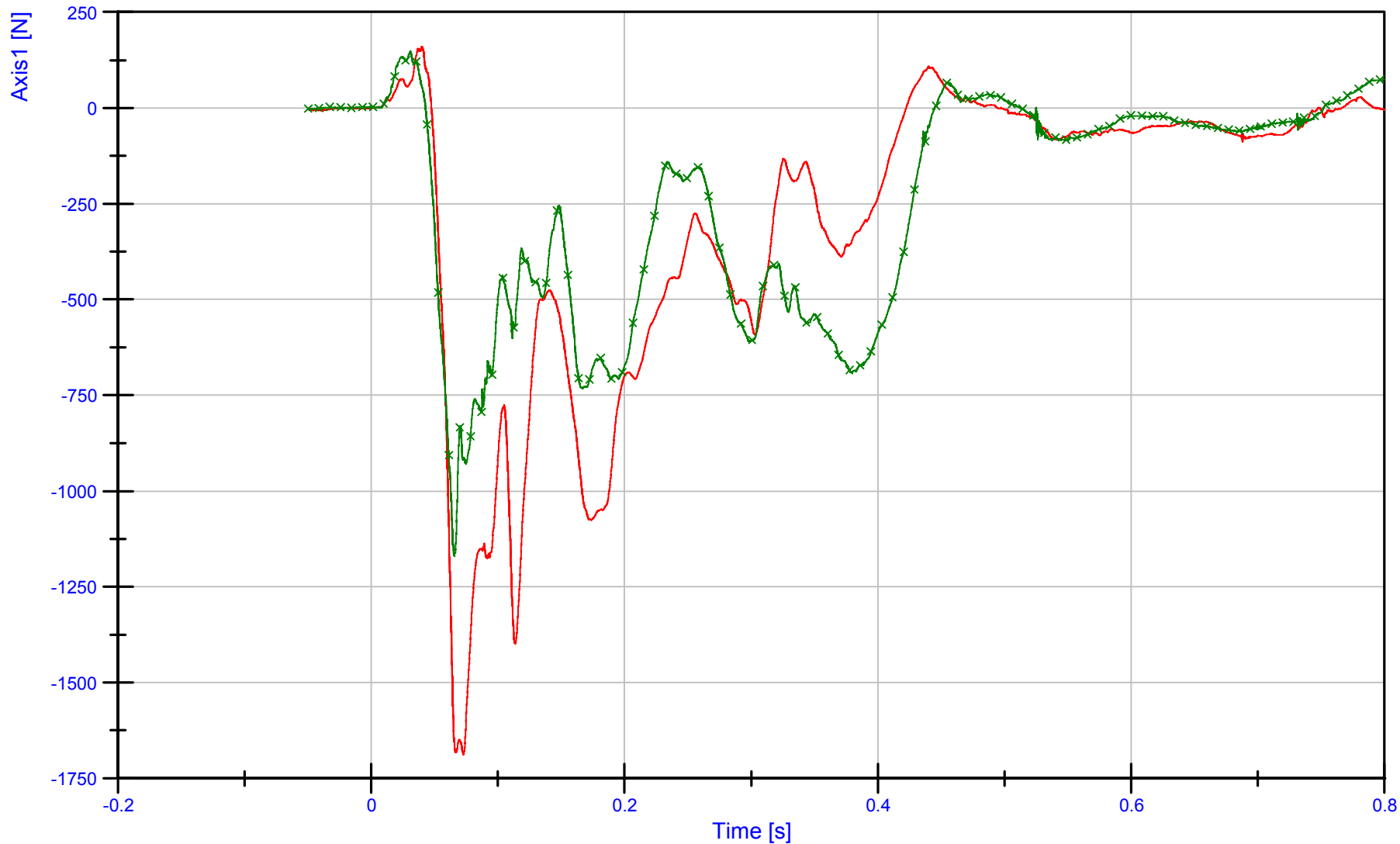
Min: -1687.1 N (-379.3 lbf) at 0.073 s

Filter: CFC_600

—* A22 Femur Right Max: 148.1 N (33.3 lbf) at 0.031 s

Min: -1170.5 N (-263.1 lbf) at 0.066 s

Filter: CFC_600





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Test ID: CTR03813-001

Test Date: 16-Nov-2009

Title: A22 HEAD RESULTANT (HIC36)

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R9 Wall - Premier

HIC36: 27.43

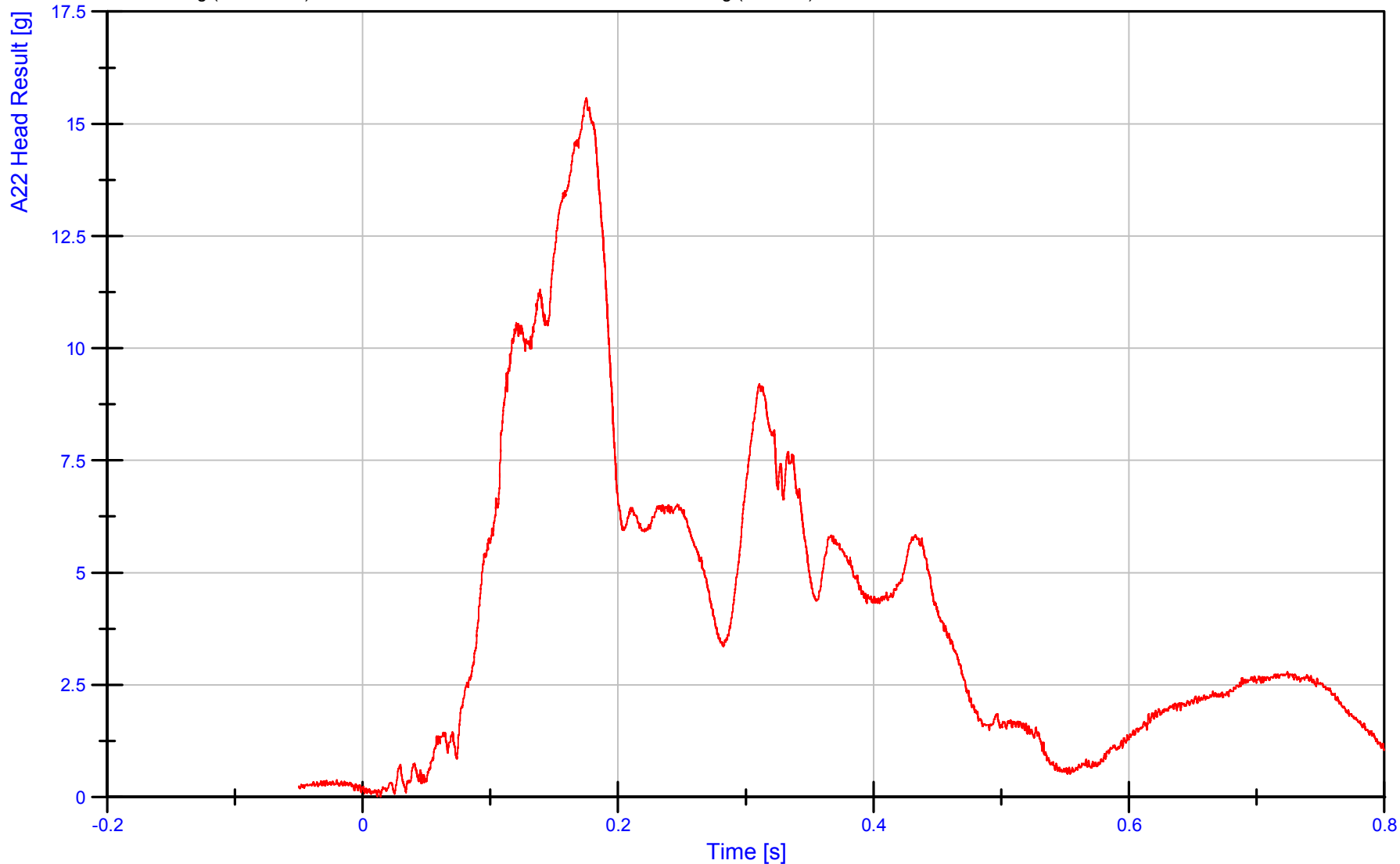
Begin / End (ms): 151.80 / 187.80

Duration: 36.00 ms

Max: 15.6 g (152.8 m/s²) at 0.175 s

Min: 0.0 g (0.0 m/s²) at 0.014 s

Filter: None





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Test ID: CTR03813-001

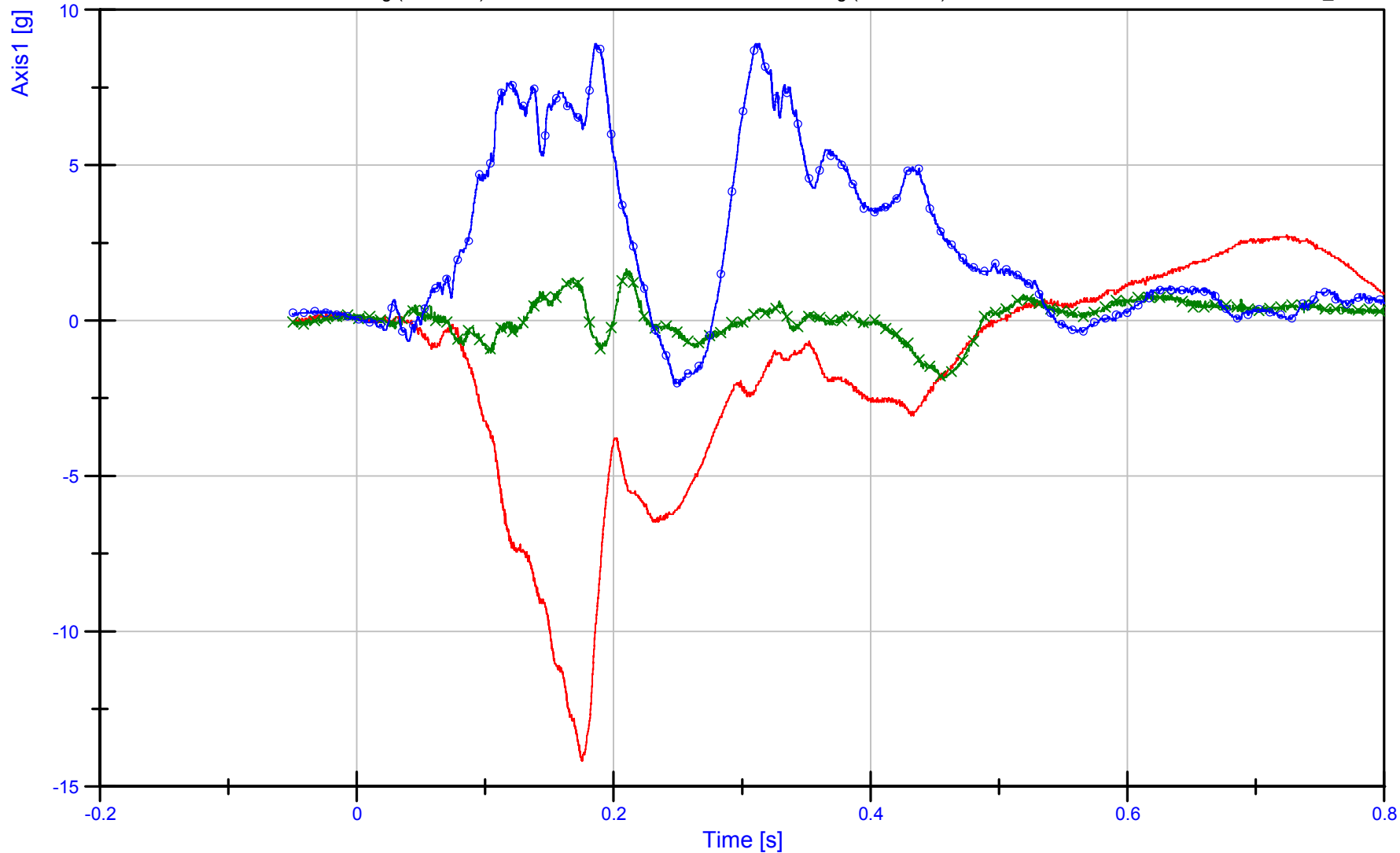
Test Date: 16-Nov-2009

Title: A22 HEAD XYZ

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R9 Wall - Premier

— A22 Head X	Max: 2.7 g (27.0 m/s ²) at 0.724 s	Min: -14.2 g (-139.0 m/s ²) at 0.176 s	Filter: CFC_1000
— A22 Head Y	Max: 1.7 g (16.2 m/s ²) at 0.210 s	Min: -1.9 g (-18.6 m/s ²) at 0.457 s	Filter: CFC_1000
— A22 Head Z	Max: 8.9 g (87.5 m/s ²) at 0.313 s	Min: -2.1 g (-20.4 m/s ²) at 0.251 s	Filter: CFC_1000





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Test ID: CTR03813-001

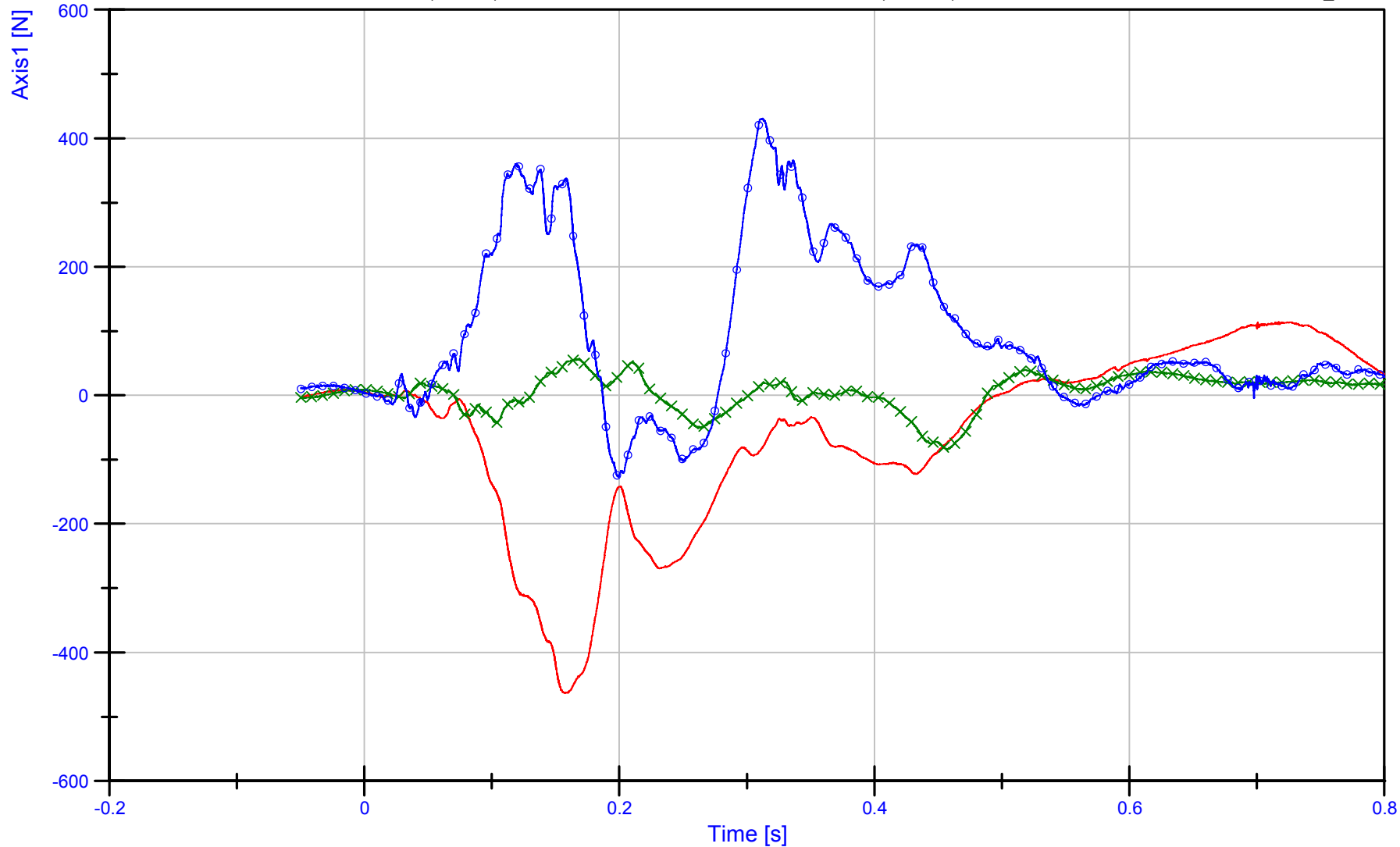
Test Date: 16-Nov-2009

Title: A22 NECK FORCES

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R9 Wall - Premier

— A22 Neck FX	Max: 114.6 N (25.8 lbf) at 0.717 s	Min: -463.0 N (-104.1 lbf) at 0.158 s	Filter: CFC_1000
— A22 Neck FY	Max: 56.5 N (12.7 lbf) at 0.168 s	Min: -84.0 N (-18.9 lbf) at 0.457 s	Filter: CFC_1000
— A22 Neck FZ	Max: 431.0 N (96.9 lbf) at 0.312 s	Min: -126.8 N (-28.5 lbf) at 0.199 s	Filter: CFC_1000





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Test ID: CTR03813-001

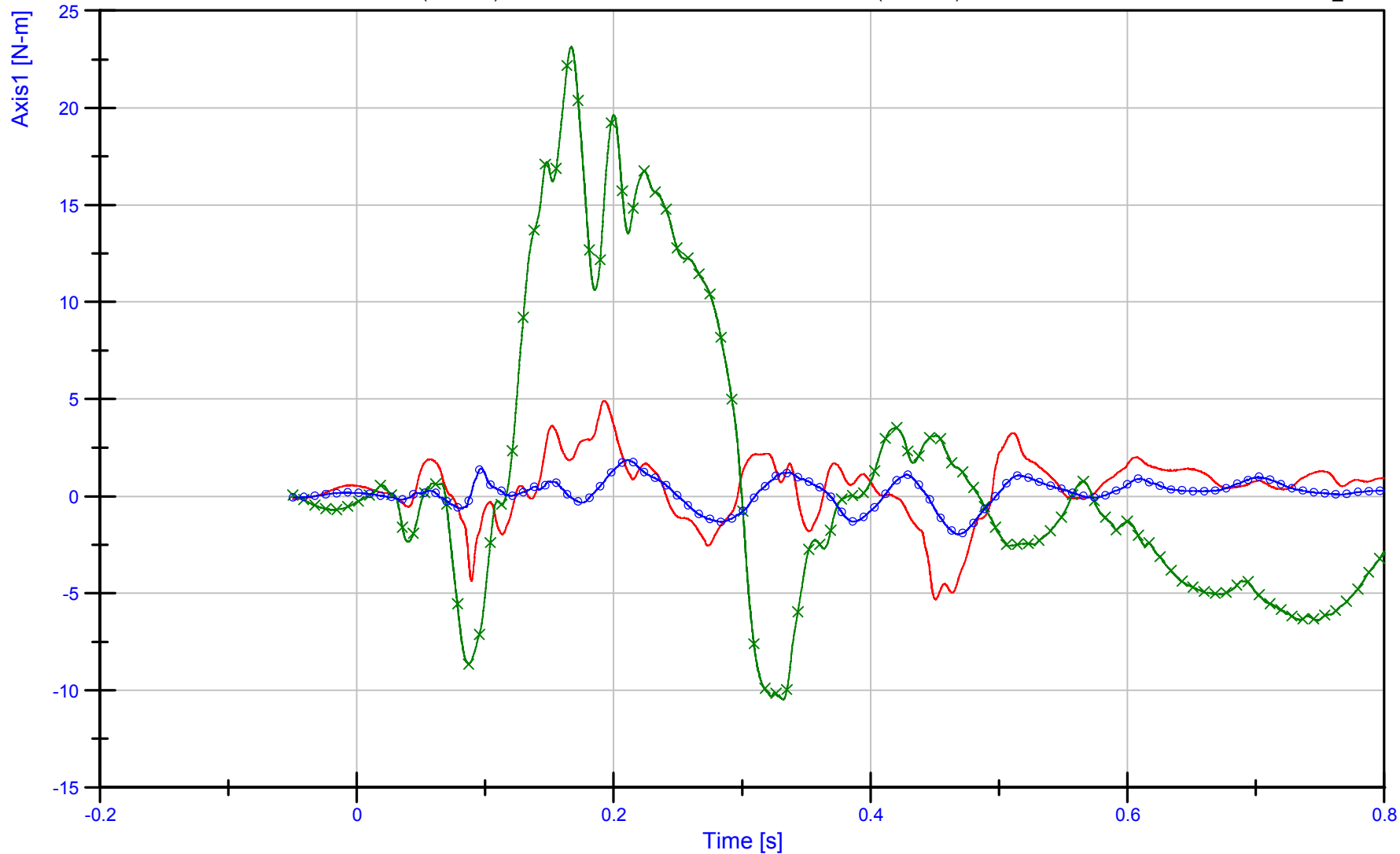
Test Date: 16-Nov-2009

Title: A22 NECK MOMENTS

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R9 Wall - Premier

— A22 Neck MX	Max: 4.9 N-m (3.6 lbf-ft) at 0.193 s	Min: -5.3 N-m (-3.9 lbf-ft) at 0.451 s	Filter: CFC_600
— A22 Neck MY	Max: 23.1 N-m (17.1 lbf-ft) at 0.167 s	Min: -10.5 N-m (-7.7 lbf-ft) at 0.332 s	Filter: CFC_600
— A22 Neck MZ	Max: 1.9 N-m (1.4 lbf-ft) at 0.211 s	Min: -2.0 N-m (-1.5 lbf-ft) at 0.469 s	Filter: CFC_600

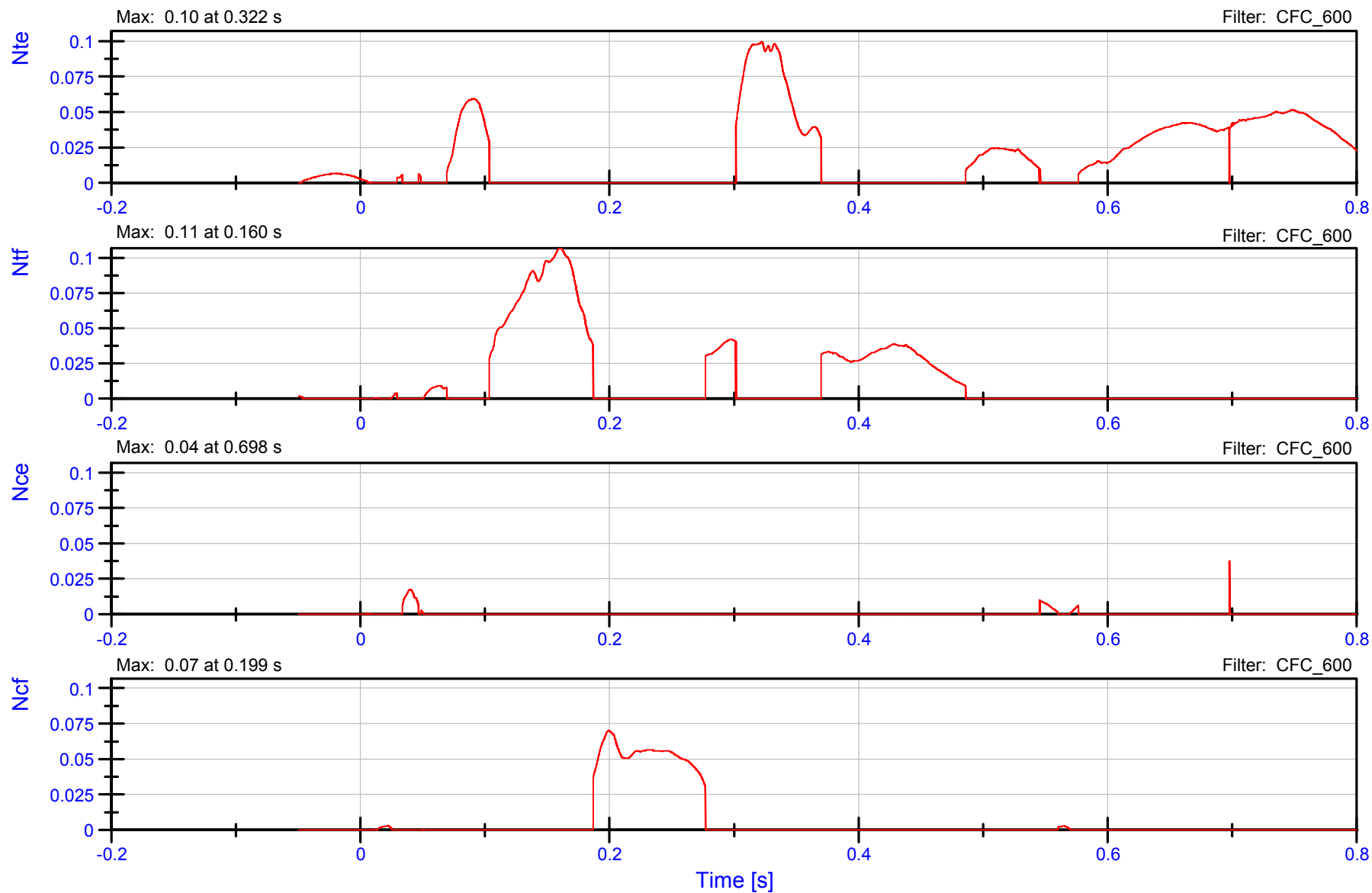




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Test ID: CTR03813-001
Test Date: 16-Nov-2009

Title: A22 NECK NIJ
Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D
ATD Position: R9 Wall - Premier





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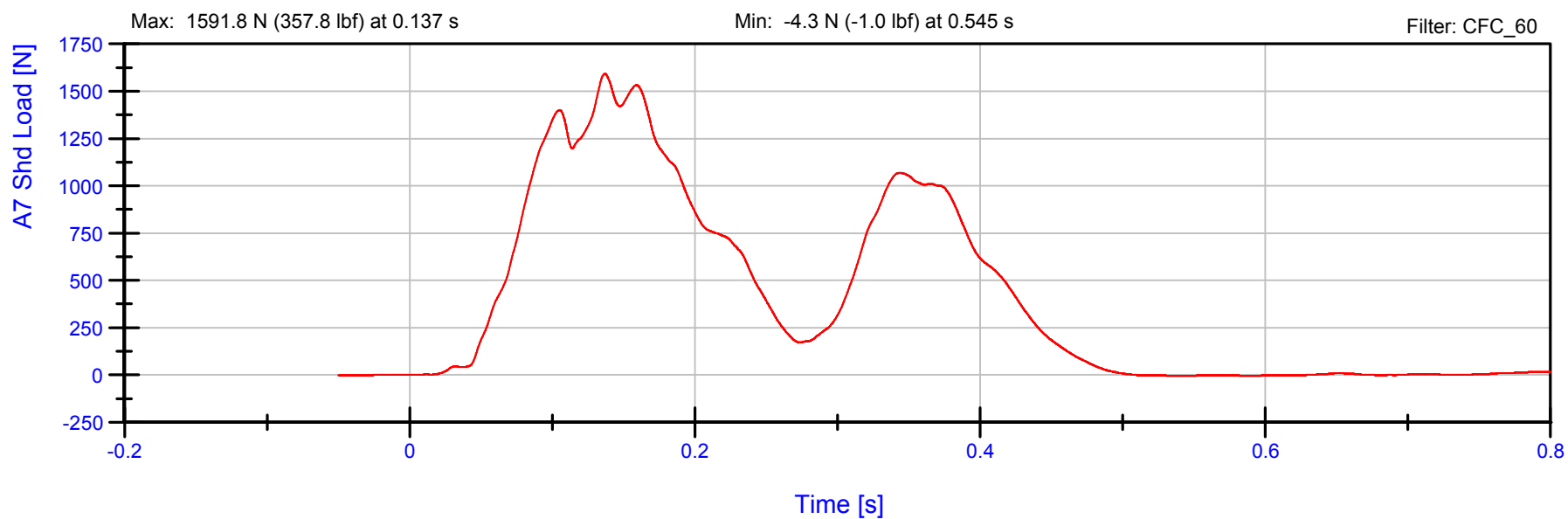
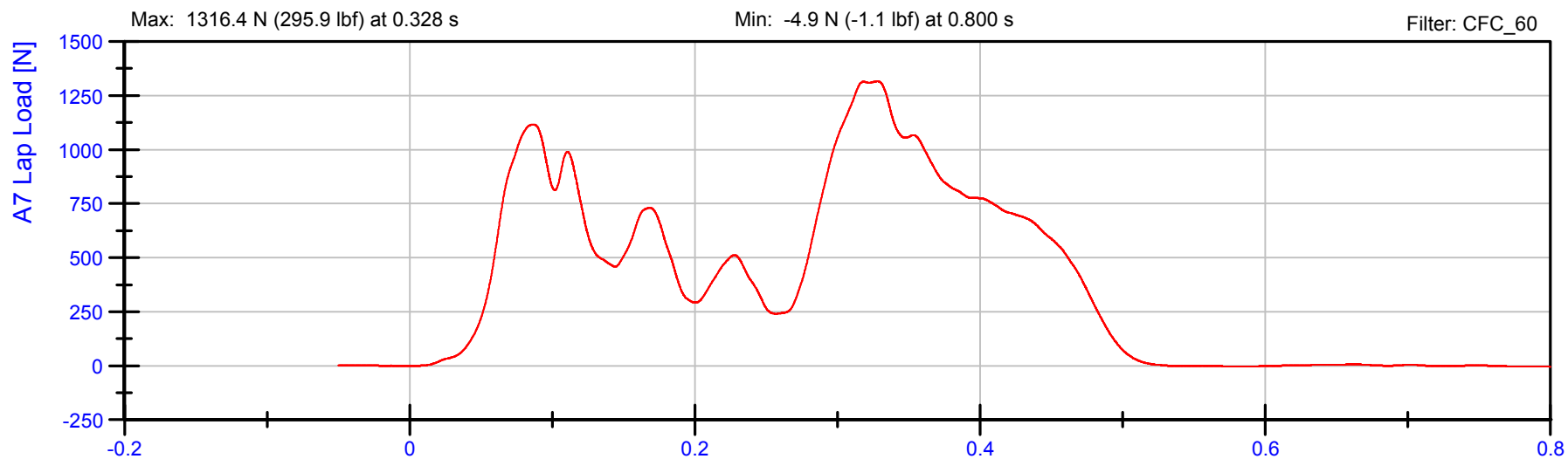
Test ID: CTR03813-001

Title: A7 BELT LOADS

Test Date: 16-Nov-2009

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R8 Wall - Premier





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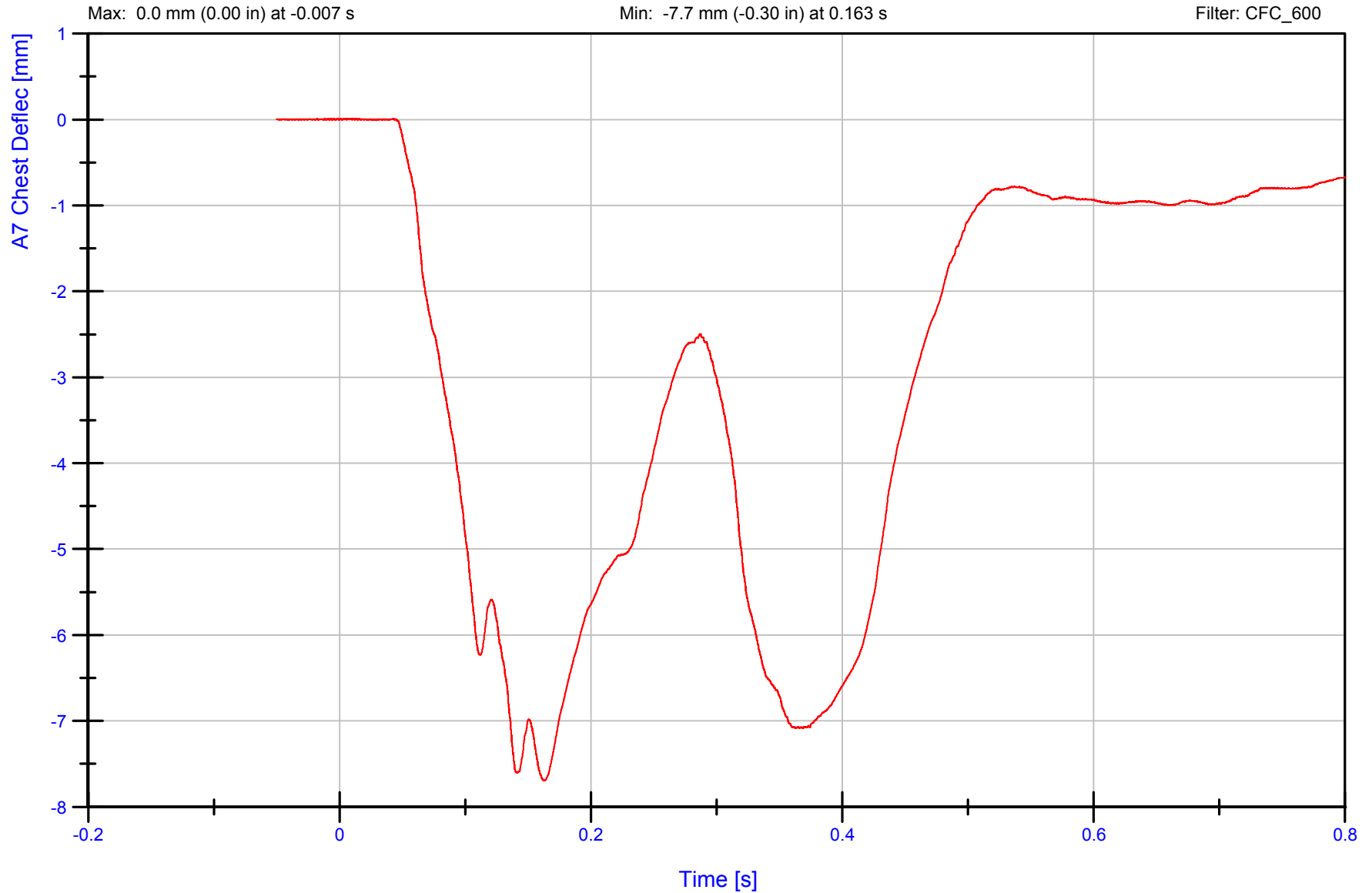
Test ID: CTR03813-001

Test Date: 16-Nov-2009

Title: A7 CHEST DEFLECTION

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R8 Wall - Premier





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Test ID: CTR03813-001

Title: A7 CHEST RESULTANT

Test Date: 16-Nov-2009

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R8 Wall - Premier

Chest 3ms: 9.88

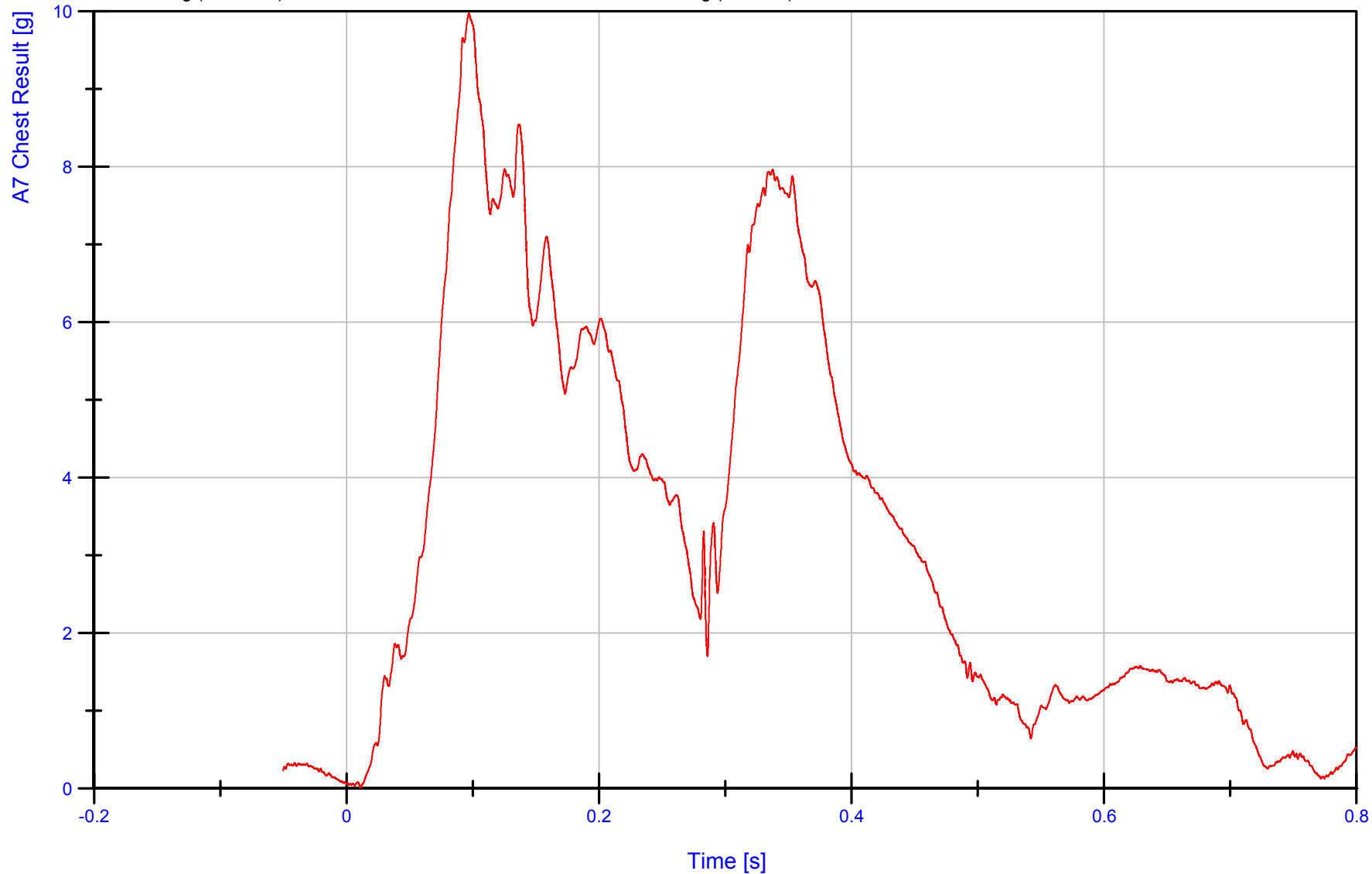
Range Begin/End (ms): 95.85 / 98.85

Duration Sum: 3.00 ms

Max: 10.0 g (97.8 m/s²) at 0.097 s

Min: 0.0 g (0.1 m/s²) at 0.011 s

Filter: None





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Test ID: CTR03813-001

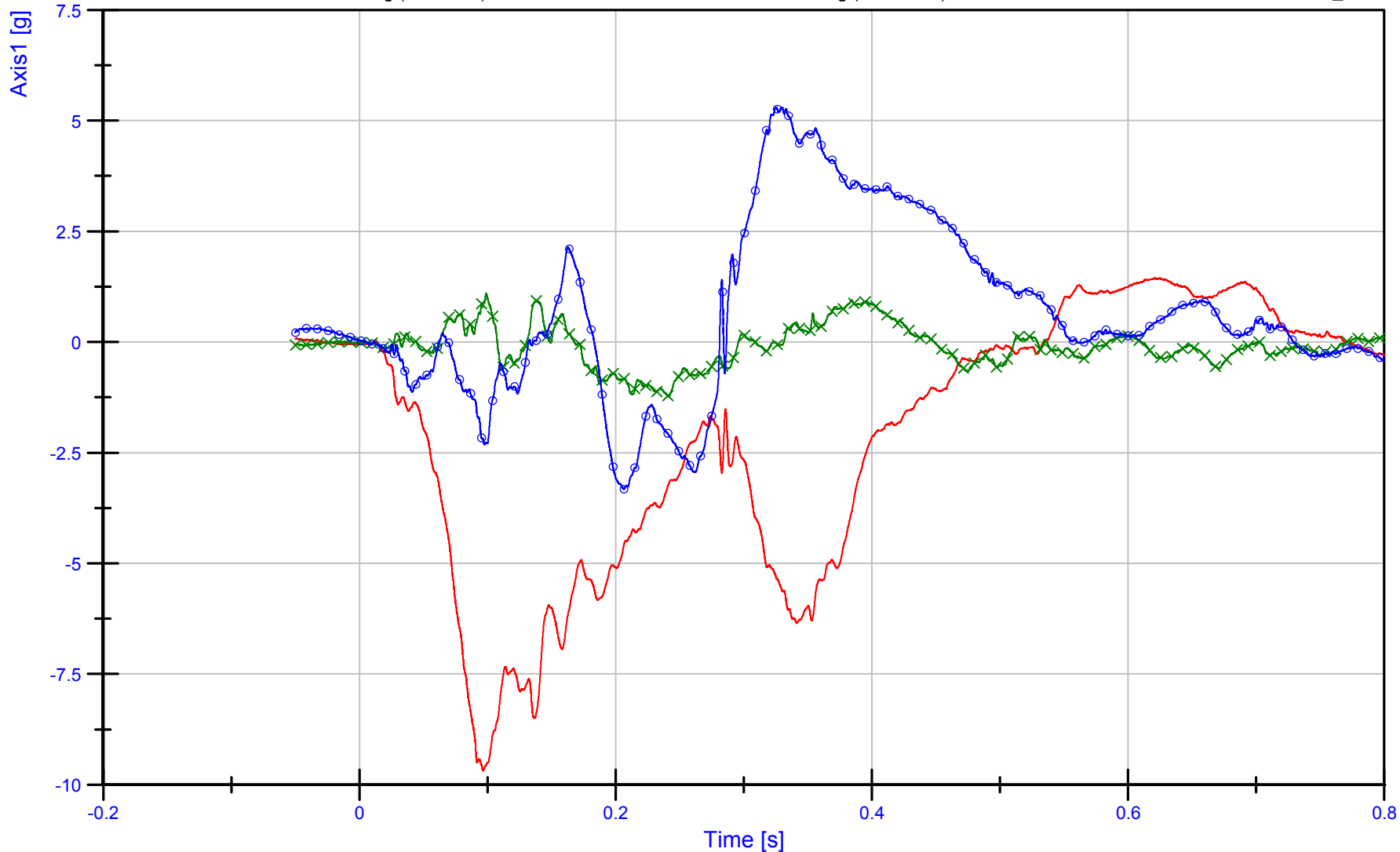
Title: A7 CHEST XYZ

Test Date: 16-Nov-2009

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R8 Wall - Premier

— A7 Chest X	Max: 1.4 g (14.1 m/s ²) at 0.621 s	Min: -9.7 g (-94.9 m/s ²) at 0.097 s	Filter: CFC_180
— A7 Chest Y	Max: 1.1 g (10.8 m/s ²) at 0.099 s	Min: -1.2 g (-12.1 m/s ²) at 0.242 s	Filter: CFC_180
— A7 Chest Z	Max: 5.3 g (52.0 m/s ²) at 0.330 s	Min: -3.3 g (-32.6 m/s ²) at 0.207 s	Filter: CFC_180





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Test ID: CTR03813-001

Test Date: 16-Nov-2009

Title: A7 FEMUR LOADS

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R8 Wall - Premier

— A7 Femur Left Max: 203.6 N (45.8 lbf) at 0.148 s

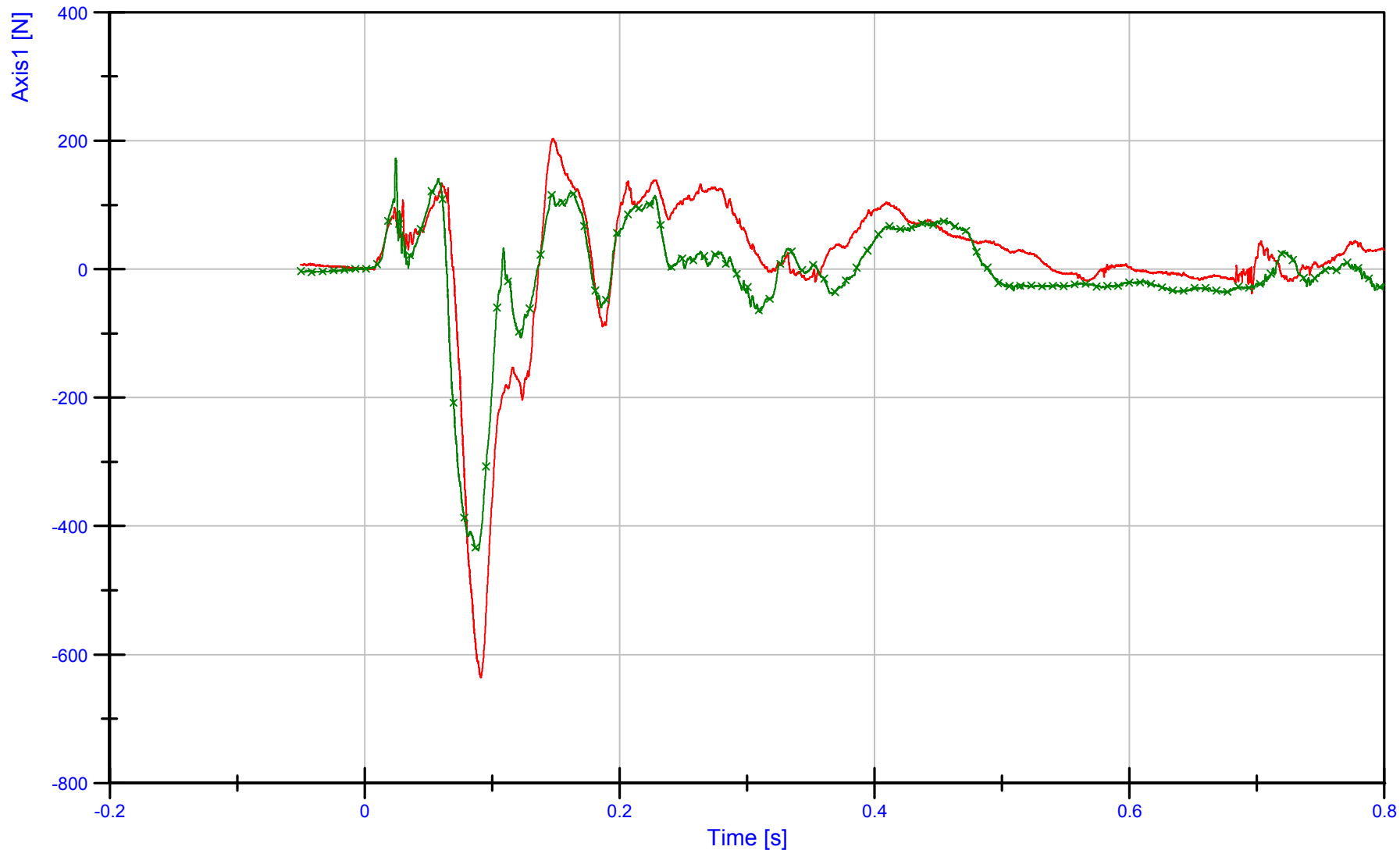
Min: -635.8 N (-142.9 lbf) at 0.091 s

Filter: CFC_600

—* A7 Femur Right Max: 172.7 N (38.8 lbf) at 0.024 s

Min: -436.1 N (-98.0 lbf) at 0.089 s

Filter: CFC_600





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Test ID: CTR03813-001

Title: A7 HEAD RESULTANT (HIC36)

Test Date: 16-Nov-2009

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R8 Wall - Premier

HIC36: 29.39

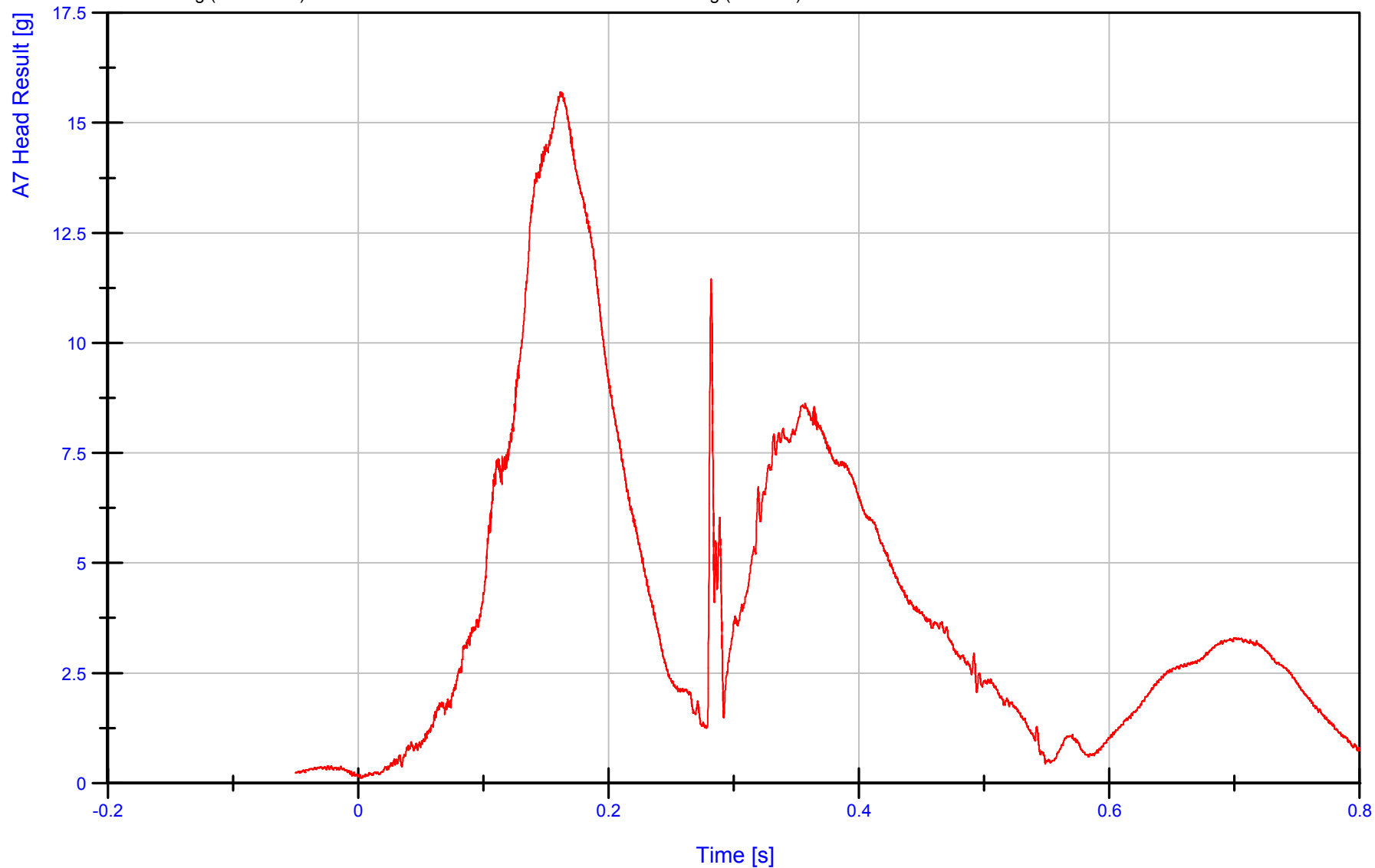
Begin / End (ms): 140.80 / 176.80

Duration: 36.00 ms

Max: 15.7 g (154.0 m/s²) at 0.162 s

Min: 0.1 g (1.1 m/s²) at 0.002 s

Filter: None





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Test ID: CTR03813-001

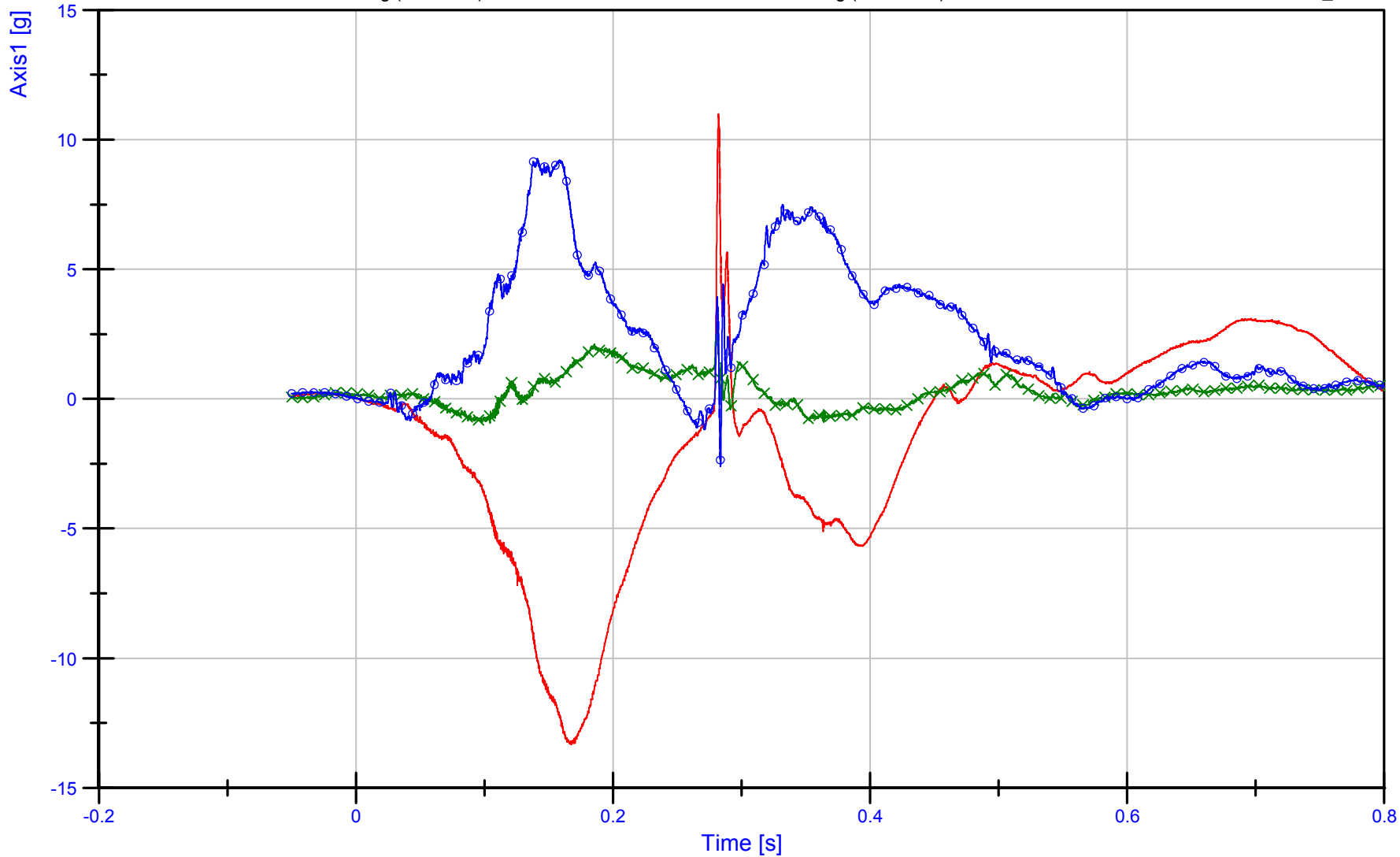
Test Date: 16-Nov-2009

Title: A7 HEAD XYZ

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R8 Wall - Premier

— A7 Head X	Max: 11.0 g (107.7 m/s ²) at 0.282 s	Min: -13.3 g (-130.7 m/s ²) at 0.168 s	Filter: CFC_1000
— A7 Head Y	Max: 2.9 g (28.9 m/s ²) at 0.281 s	Min: -0.9 g (-9.2 m/s ²) at 0.098 s	Filter: CFC_1000
— A7 Head Z	Max: 9.3 g (90.9 m/s ²) at 0.141 s	Min: -2.6 g (-25.5 m/s ²) at 0.284 s	Filter: CFC_1000





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Test ID: CTR03813-001

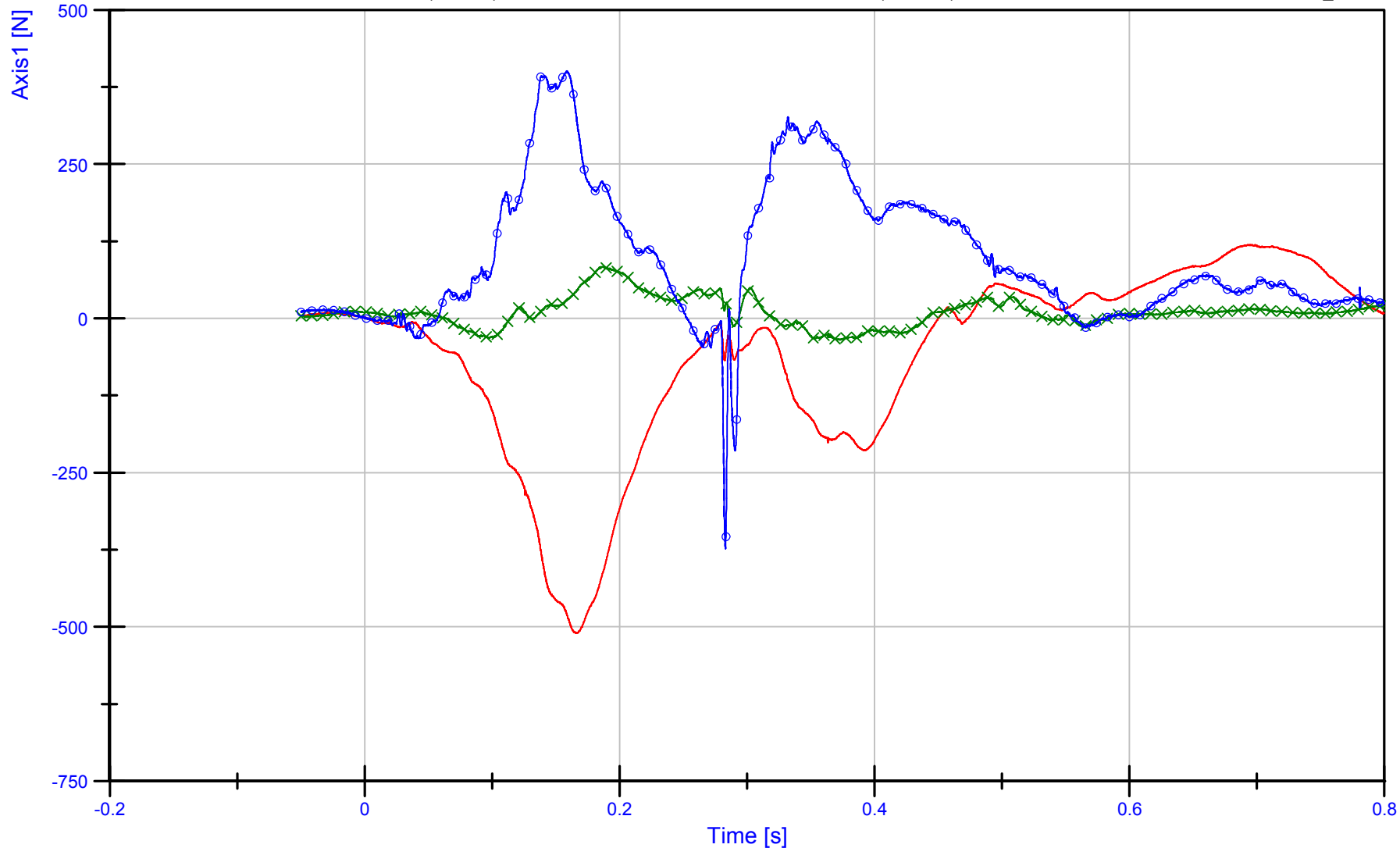
Title: A7 NECK FORCES

Test Date: 16-Nov-2009

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R8 Wall - Premier

A7 Neck FX	Max: 119.6 N (26.9 lbf) at 0.695 s	Min: -510.5 N (-114.8 lbf) at 0.166 s	Filter: CFC_1000
A7 Neck FY	Max: 84.0 N (18.9 lbf) at 0.186 s	Min: -34.5 N (-7.8 lbf) at 0.373 s	Filter: CFC_1000
A7 Neck FZ	Max: 401.5 N (90.3 lbf) at 0.159 s	Min: -372.9 N (-83.8 lbf) at 0.283 s	Filter: CFC_1000





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Test ID: CTR03813-001

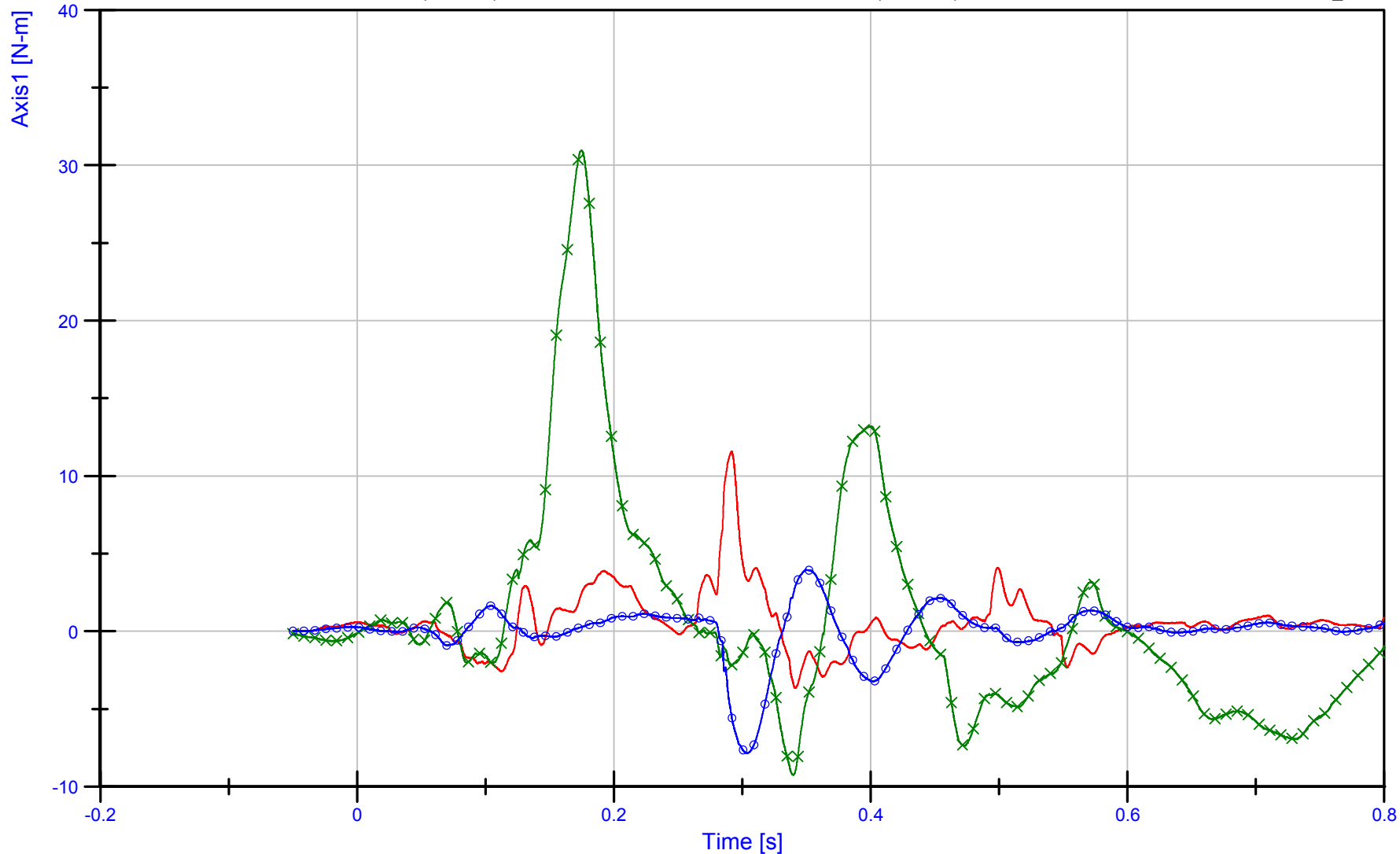
Test Date: 16-Nov-2009

Title: A7 NECK MOMENTS

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R8 Wall - Premier

— A7 Neck MX	Max: 11.6 N-m (8.5 lbf-ft) at 0.292 s	Min: -3.6 N-m (-2.7 lbf-ft) at 0.341 s	Filter: CFC_600
—* A7 Neck MY	Max: 31.0 N-m (22.8 lbf-ft) at 0.175 s	Min: -9.3 N-m (-6.8 lbf-ft) at 0.340 s	Filter: CFC_600
—○ A7 Neck MZ	Max: 4.0 N-m (2.9 lbf-ft) at 0.350 s	Min: -7.9 N-m (-5.8 lbf-ft) at 0.304 s	Filter: CFC_600





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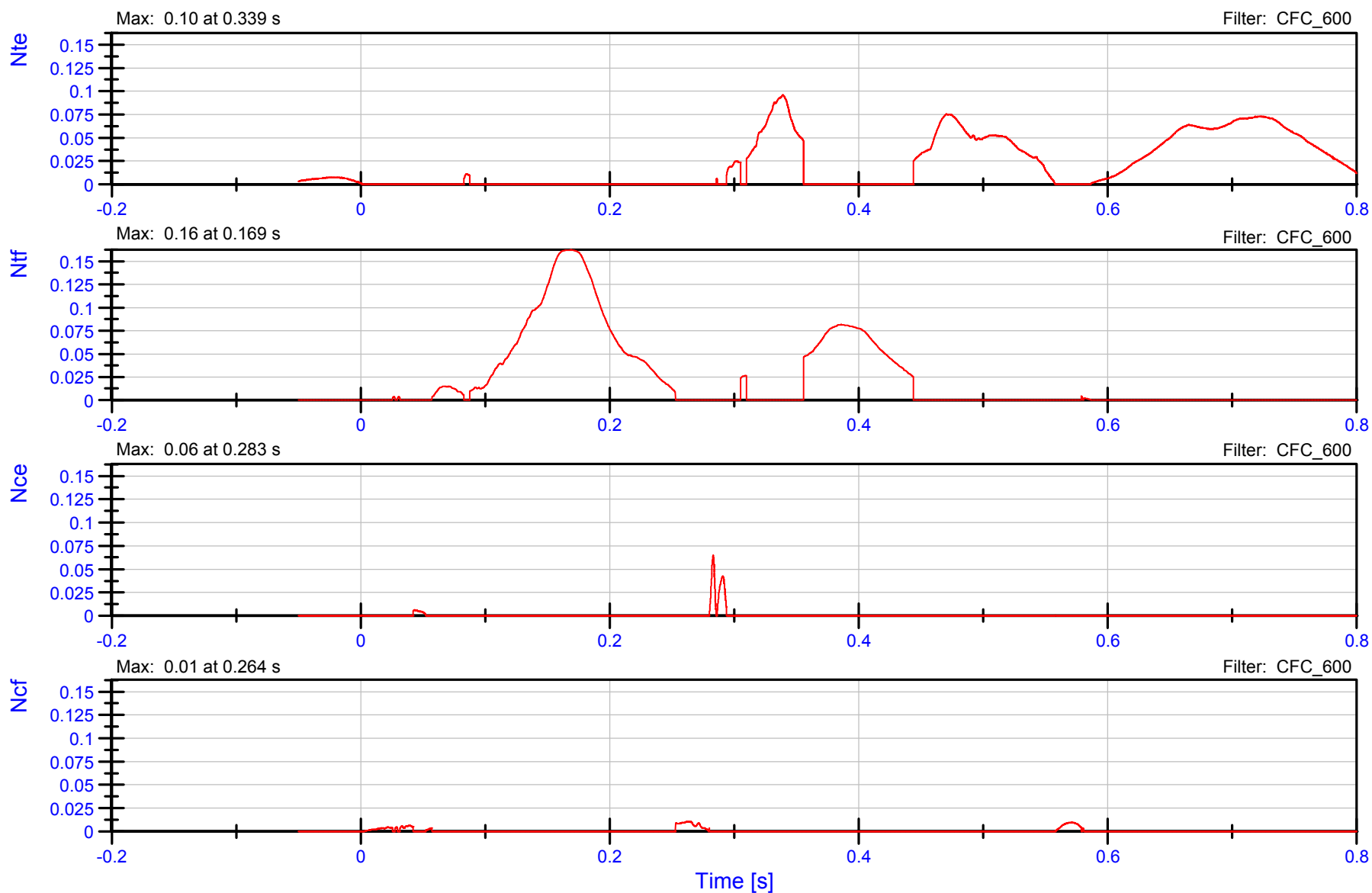
Test ID: CTR03813-001

Title: A7 NECK NIJ

Test Date: 16-Nov-2009

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R8 Wall - Premier





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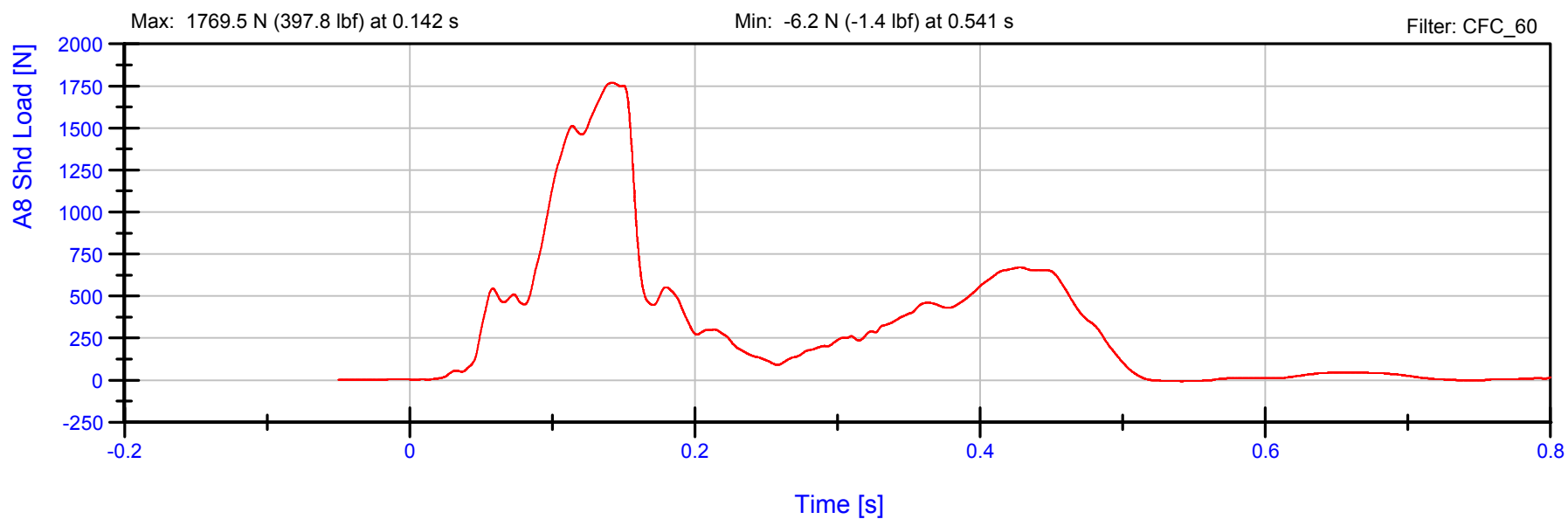
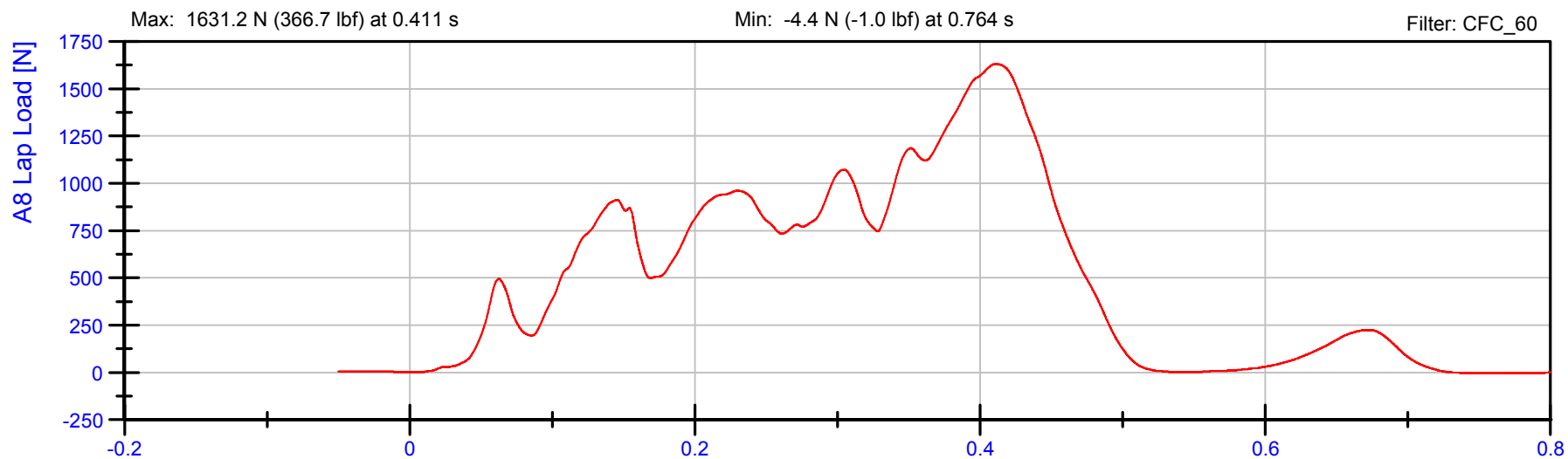
Test ID: CTR03813-001

Title: A8 BELT LOADS

Test Date: 16-Nov-2009

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R5 Wall - European





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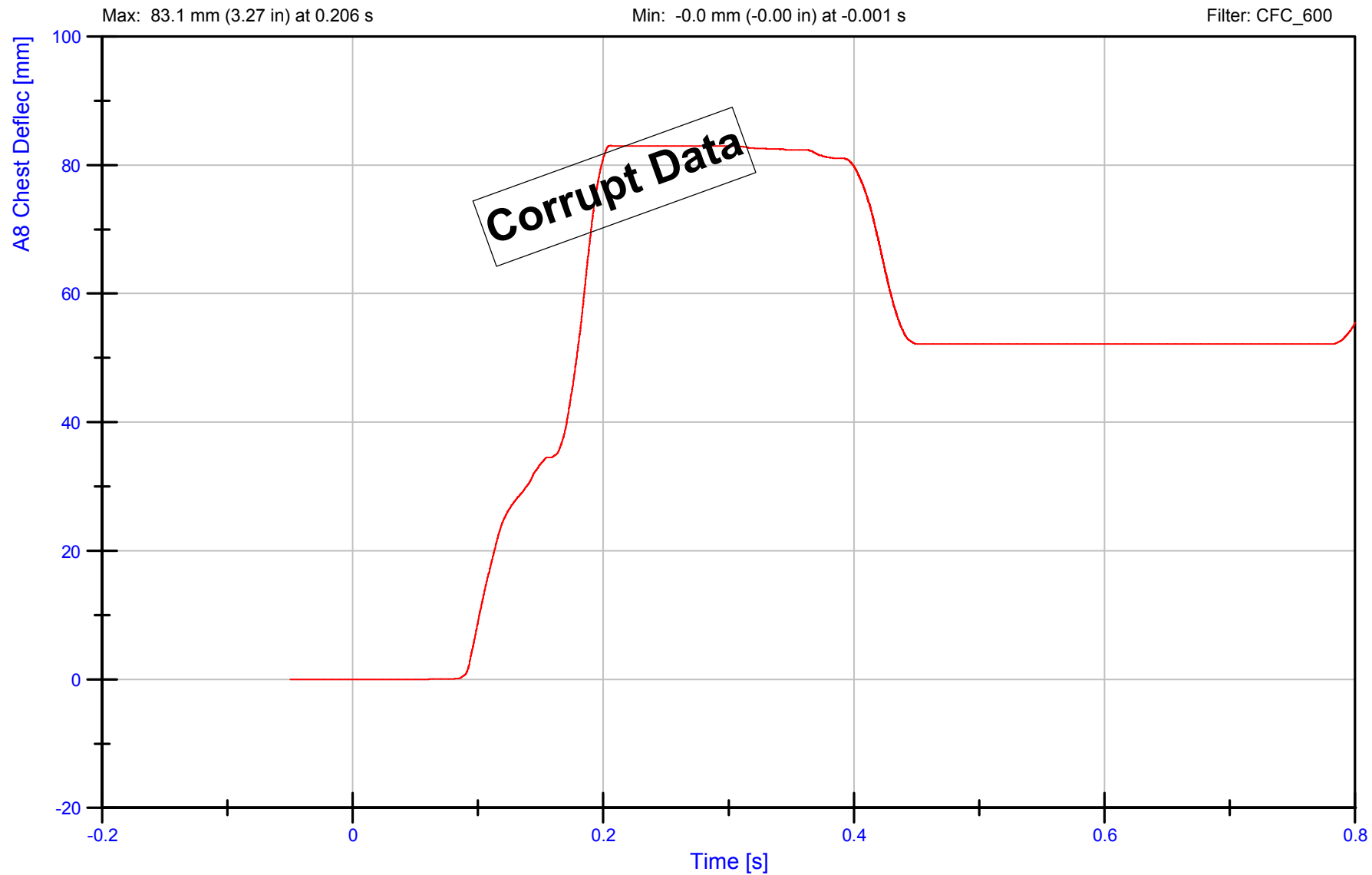
Test ID: CTR03813-001

Test Date: 16-Nov-2009

Title: A8 CHEST DEFLECTION

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R5 - European





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Test ID: CTR03813-001

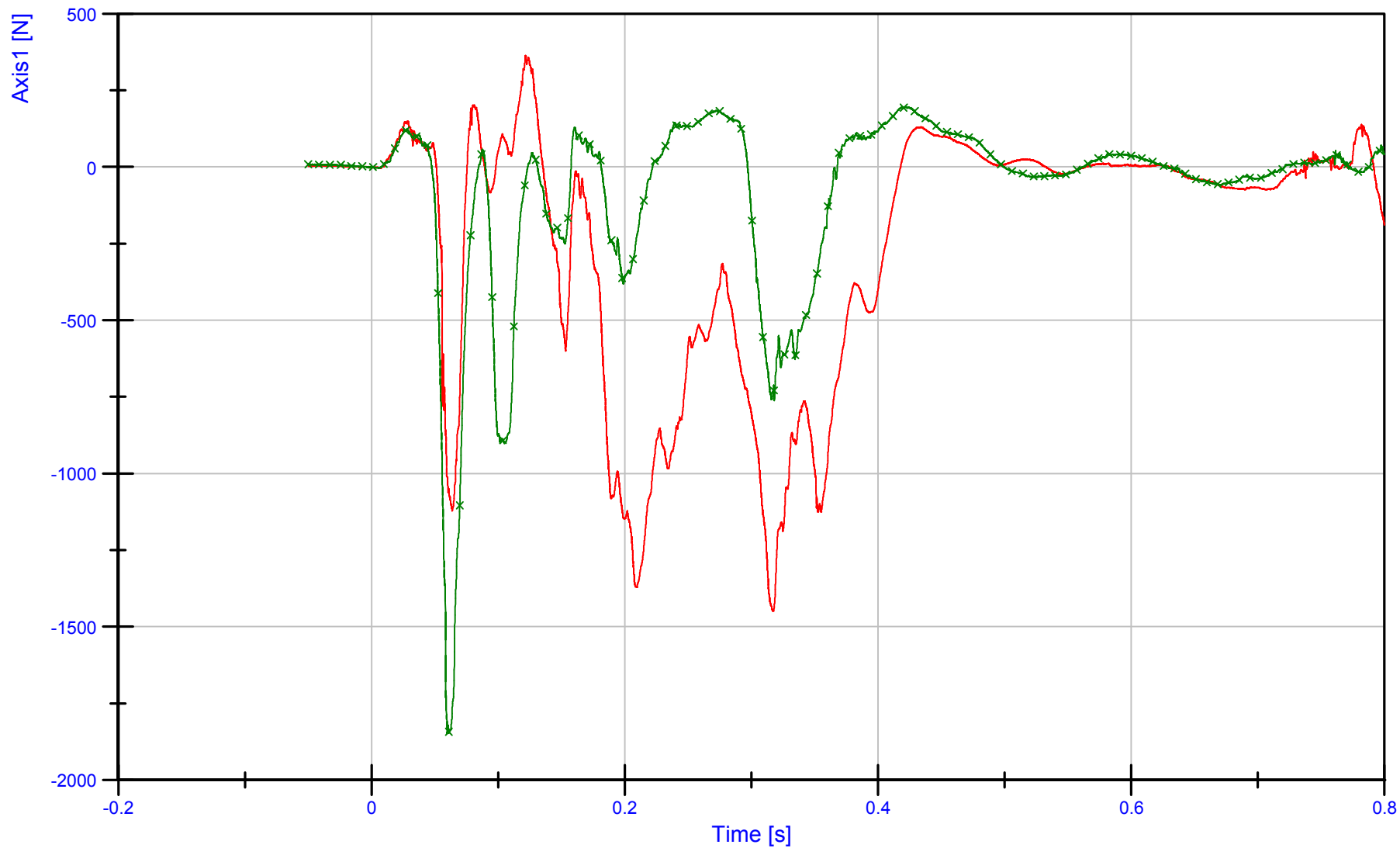
Test Date: 16-Nov-2009

Title: A8 FEMUR LOADS

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R5 Wall - European

— A8 Femur Left Max: 363.4 N (81.7 lbf) at 0.122 s Min: -1450.0 N (-326.0 lbf) at 0.317 s Filter: CFC_600
—* A8 Femur Right Max: 196.4 N (44.2 lbf) at 0.422 s Min: -1849.9 N (-415.9 lbf) at 0.060 s Filter: CFC_600





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Test ID: CTR03813-001

Test Date: 16-Nov-2009

Title: A8 HEAD RESULTANT (HIC36)

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R5 Wall - European

HIC36: 344.83

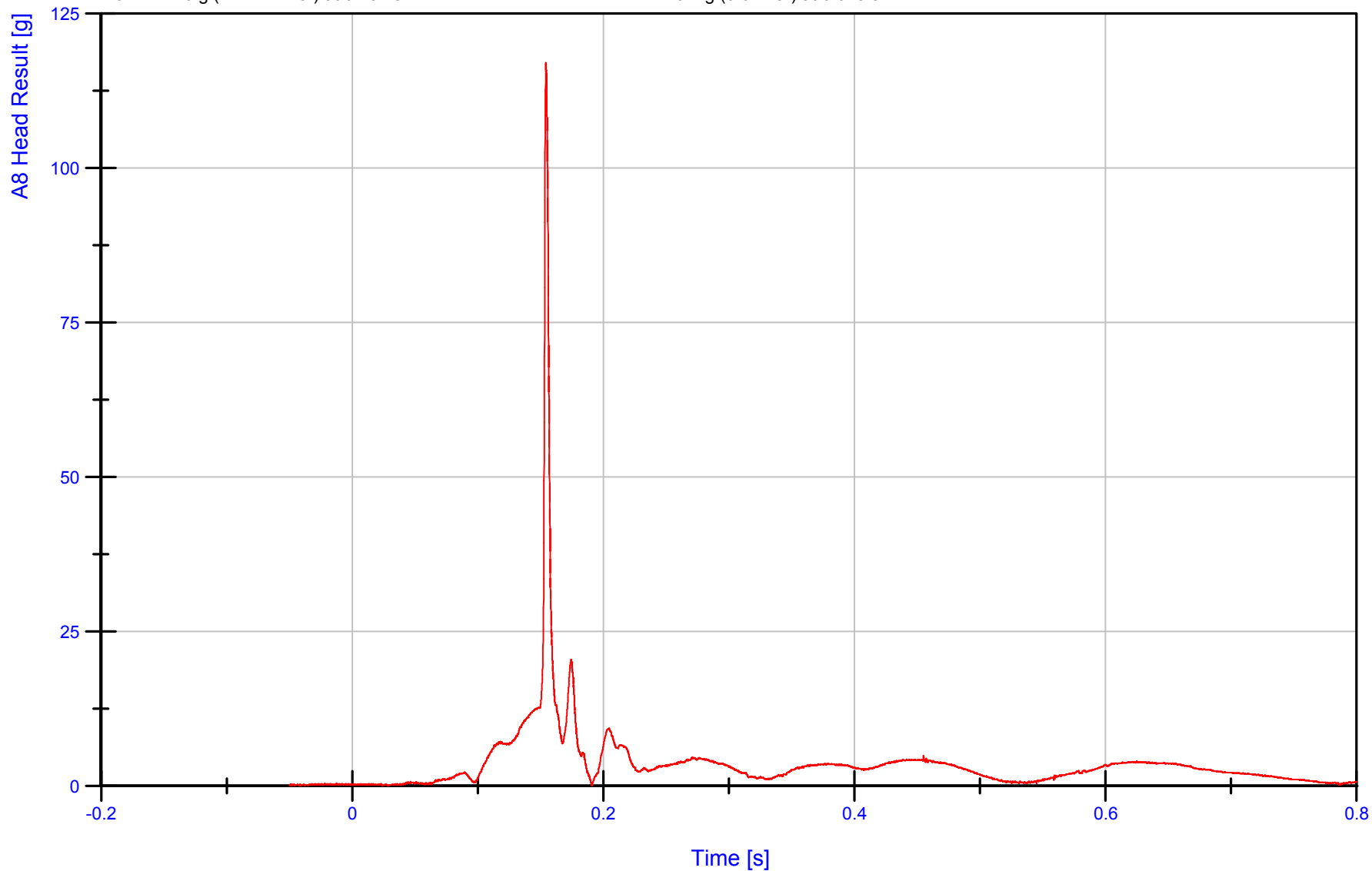
Begin / End (ms): 153.00 / 157.00

Duration: 4.00 ms

Max: 117.0 g (1147.7 m/s²) at 0.154 s

Min: 0.1 g (0.6 m/s²) at 0.029 s

Filter: None





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Test ID: CTR03813-001

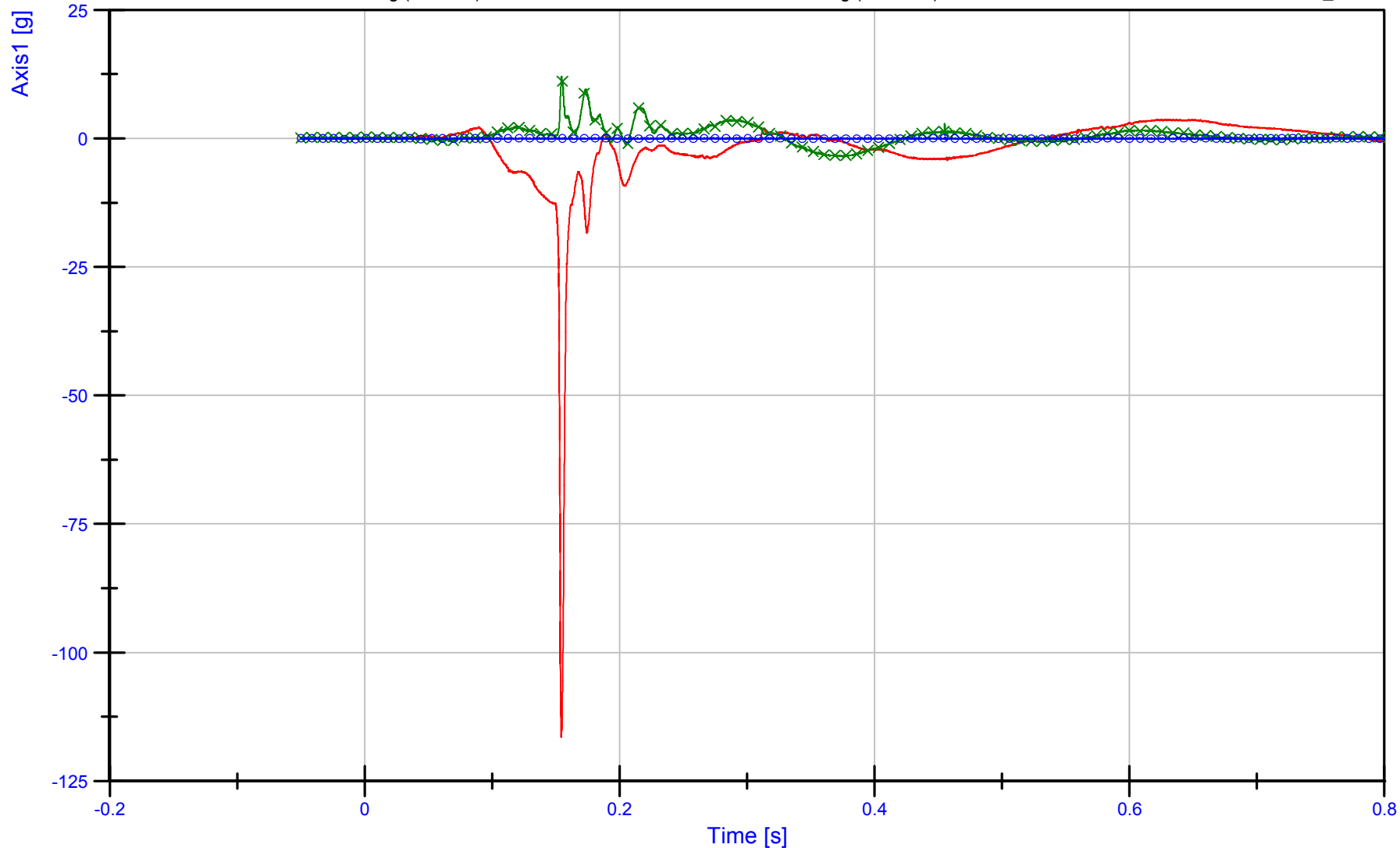
Title: A8 HEAD XYZ

Test Date: 16-Nov-2009

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R5 Wall - European

— A8 Head X	Max: 3.7 g (35.9 m/s ²) at 0.628 s	Min: -116.5 g (-1142.6 m/s ²) at 0.154 s	Filter: CFC_1000
— A8 Head Y	Max: 12.1 g (118.3 m/s ²) at 0.155 s	Min: -3.5 g (-34.2 m/s ²) at 0.375 s	Filter: CFC_1000
— A8 Head Z	Max: 0.2 g (2.1 m/s ²) at 0.456 s	Min: -0.2 g (-1.9 m/s ²) at 0.456 s	Filter: CFC_1000





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Test ID: CTR03813-001

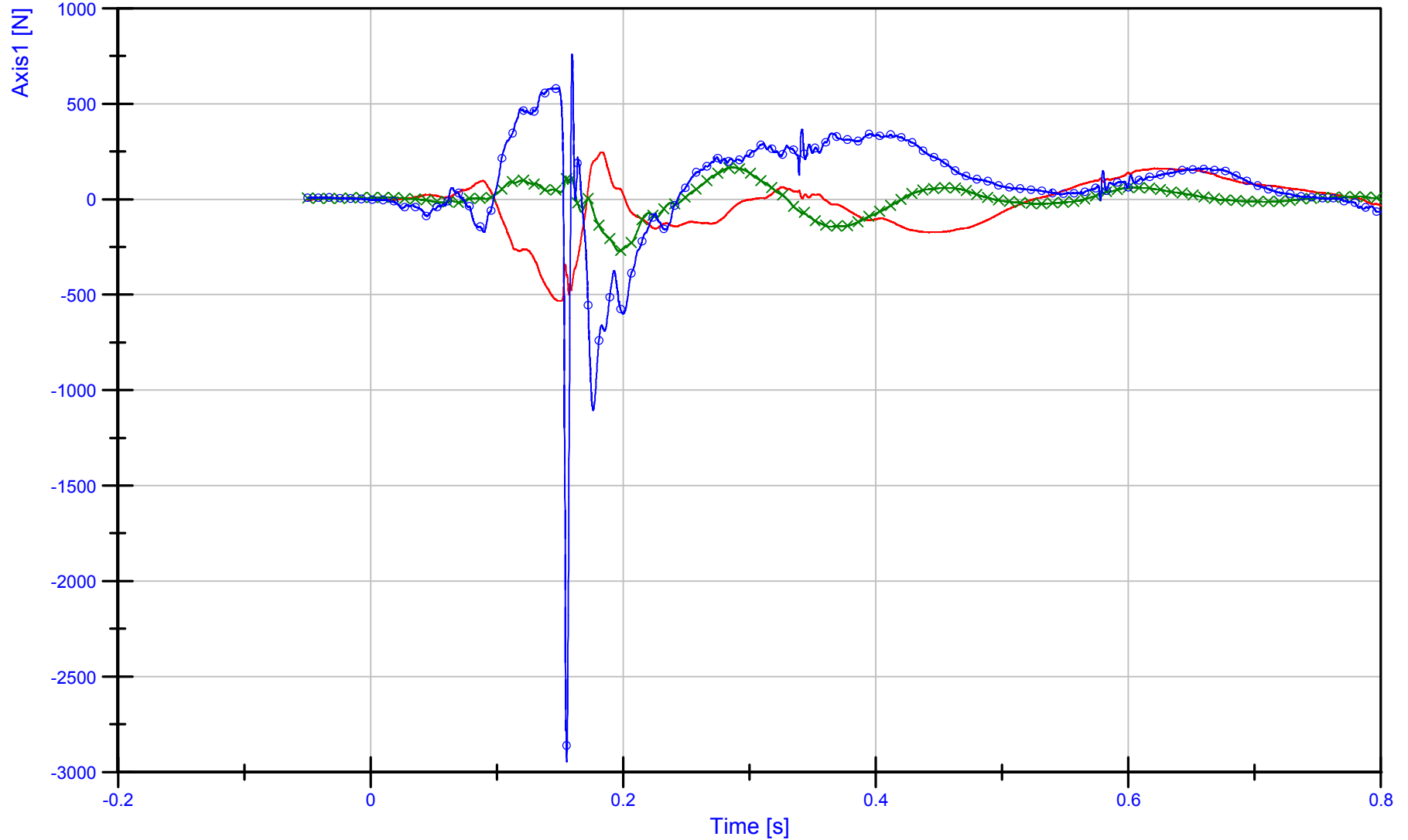
Title: A8 NECK FORCES

Test Date: 16-Nov-2009

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R5 Wall - European

— A8 Neck FX	Max: 246.7 N (55.5 lbf) at 0.183 s	Min: -533.6 N (-120.0 lbf) at 0.150 s	Filter: CFC_1000
— A8 Neck FY	Max: 166.8 N (37.5 lbf) at 0.286 s	Min: -272.5 N (-61.3 lbf) at 0.198 s	Filter: CFC_1000
— A8 Neck FZ	Max: 760.0 N (170.8 lbf) at 0.160 s	Min: -2946.8 N (-662.5 lbf) at 0.155 s	Filter: CFC_1000





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Test ID: CTR03813-001

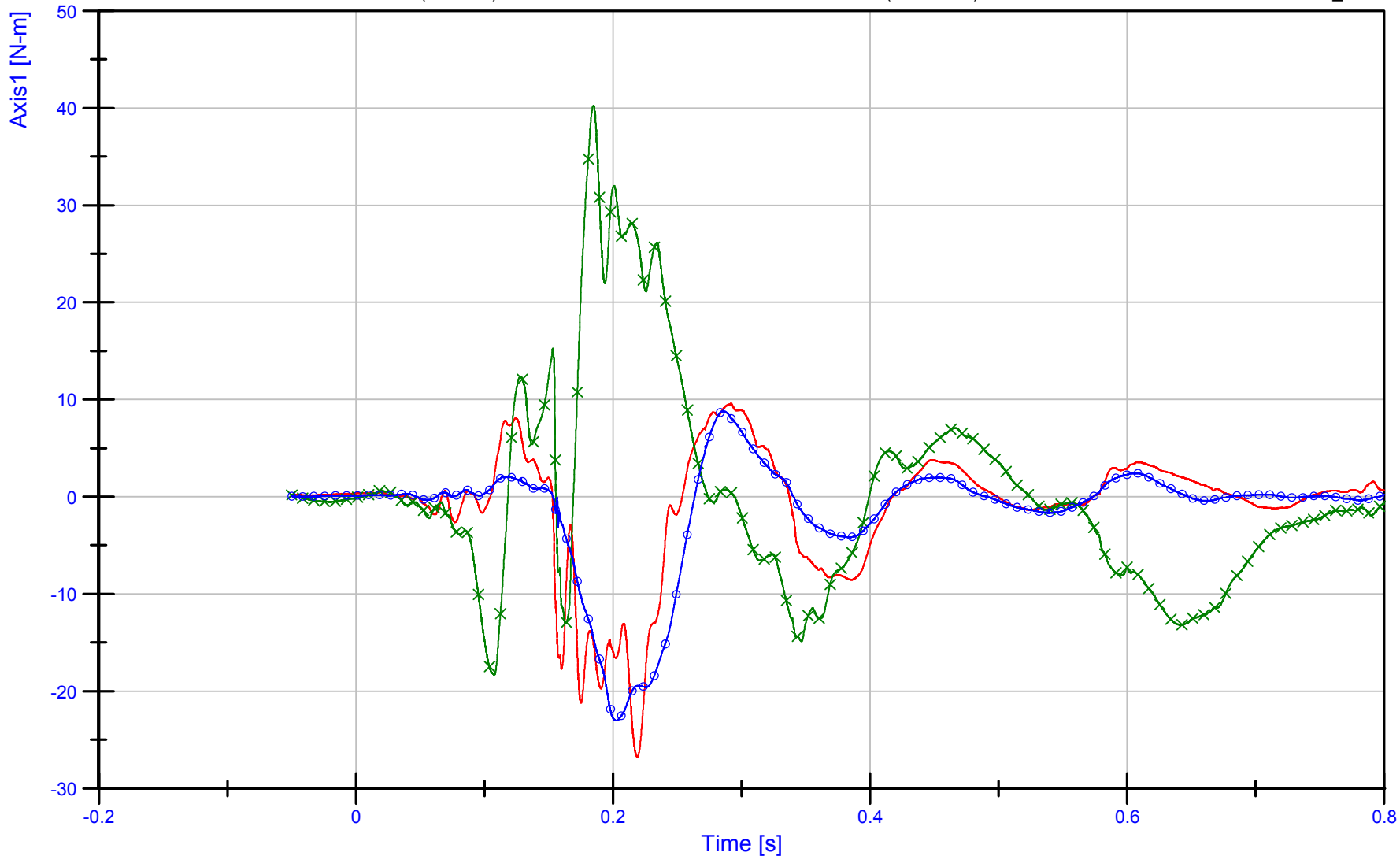
Test Date: 16-Nov-2009

Title: A8 NECK MOMENTS

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R5 Wall - European

A8 Neck MX	Max: 9.6 N-m (7.1 lbf-ft) at 0.292 s	Min: -26.8 N-m (-19.7 lbf-ft) at 0.219 s	Filter: CFC_600
A8 Neck MY	Max: 40.3 N-m (29.7 lbf-ft) at 0.185 s	Min: -18.3 N-m (-13.5 lbf-ft) at 0.107 s	Filter: CFC_600
A8 Neck MZ	Max: 8.8 N-m (6.5 lbf-ft) at 0.286 s	Min: -23.0 N-m (-17.0 lbf-ft) at 0.203 s	Filter: CFC_600





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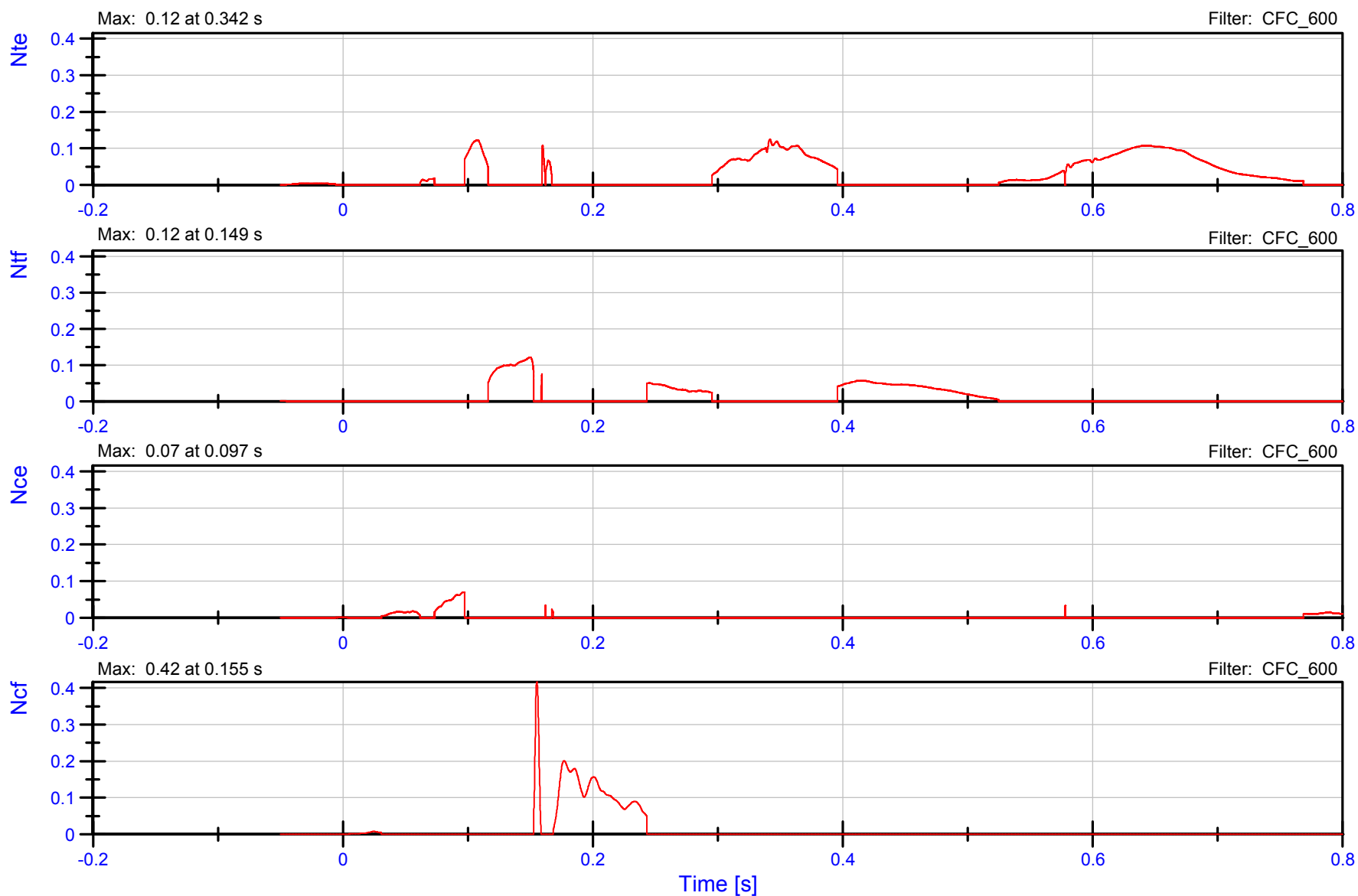
Test ID: CTR03813-001

Test Date: 16-Nov-2009

Title: A8 NECK NIJ

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R5 Wall - European





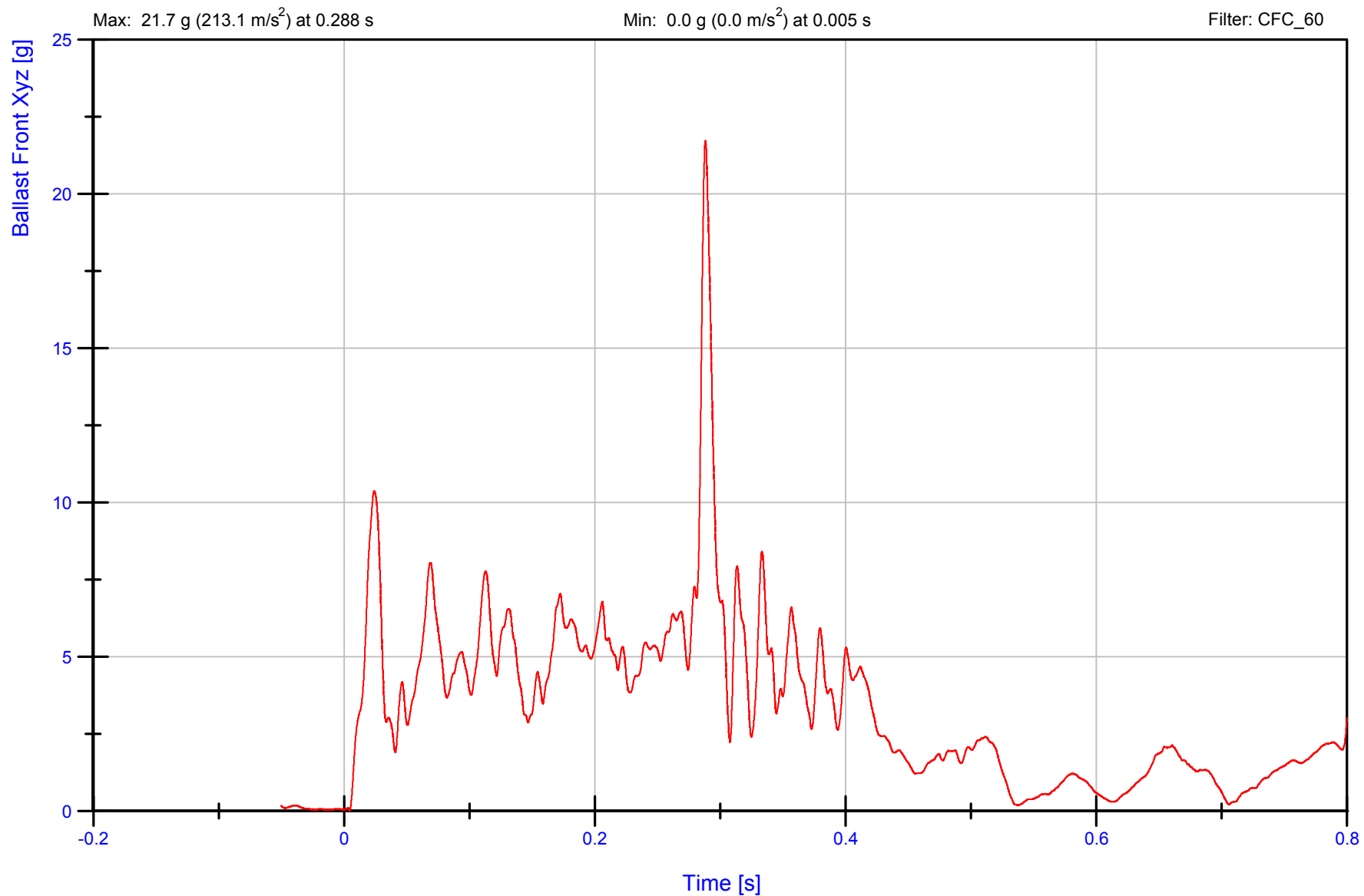
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Test ID: CTR03813-001

Test Date: 16-Nov-2009

Title: BALLAST FRONT ACCELERATION RESULTANT

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D





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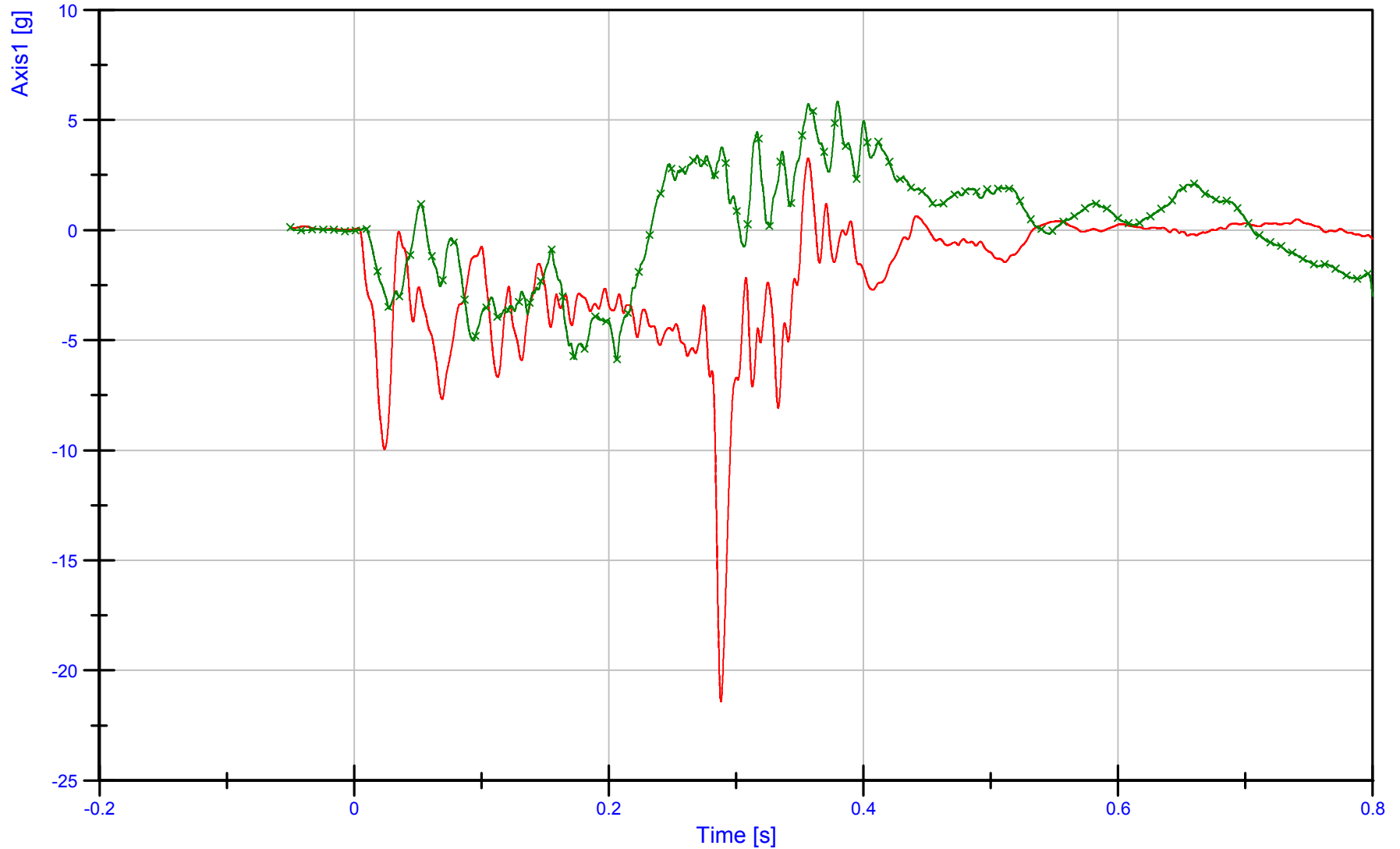
Test ID: CTR03813-001

Title: BALLAST FRONT ACCELERATION

Test Date: 16-Nov-2009

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

— Frnt Ballast X	Max: 3.3 g (32.1 m/s ²) at 0.357 s	Min: -21.4 g (-210.0 m/s ²) at 0.288 s	Filter: CFC_60
—* Frnt Ballast Z	Max: 5.8 g (57.4 m/s ²) at 0.380 s	Min: -5.9 g (-57.8 m/s ²) at 0.206 s	Filter: CFC_60





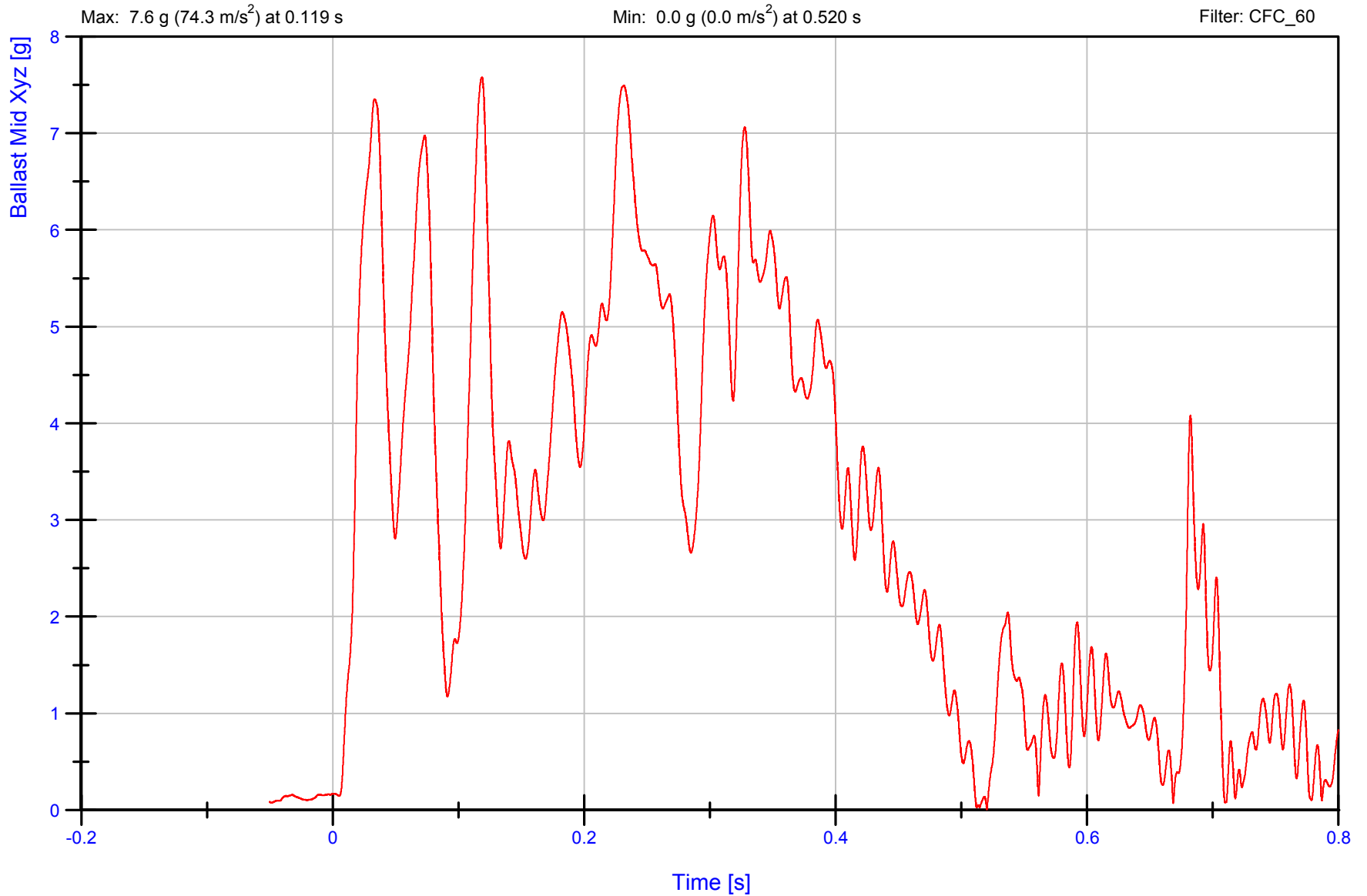
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Test ID: CTR03813-001

Test Date: 16-Nov-2009

Title: BALLAST MID ACCELERATION RESULTANT

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D





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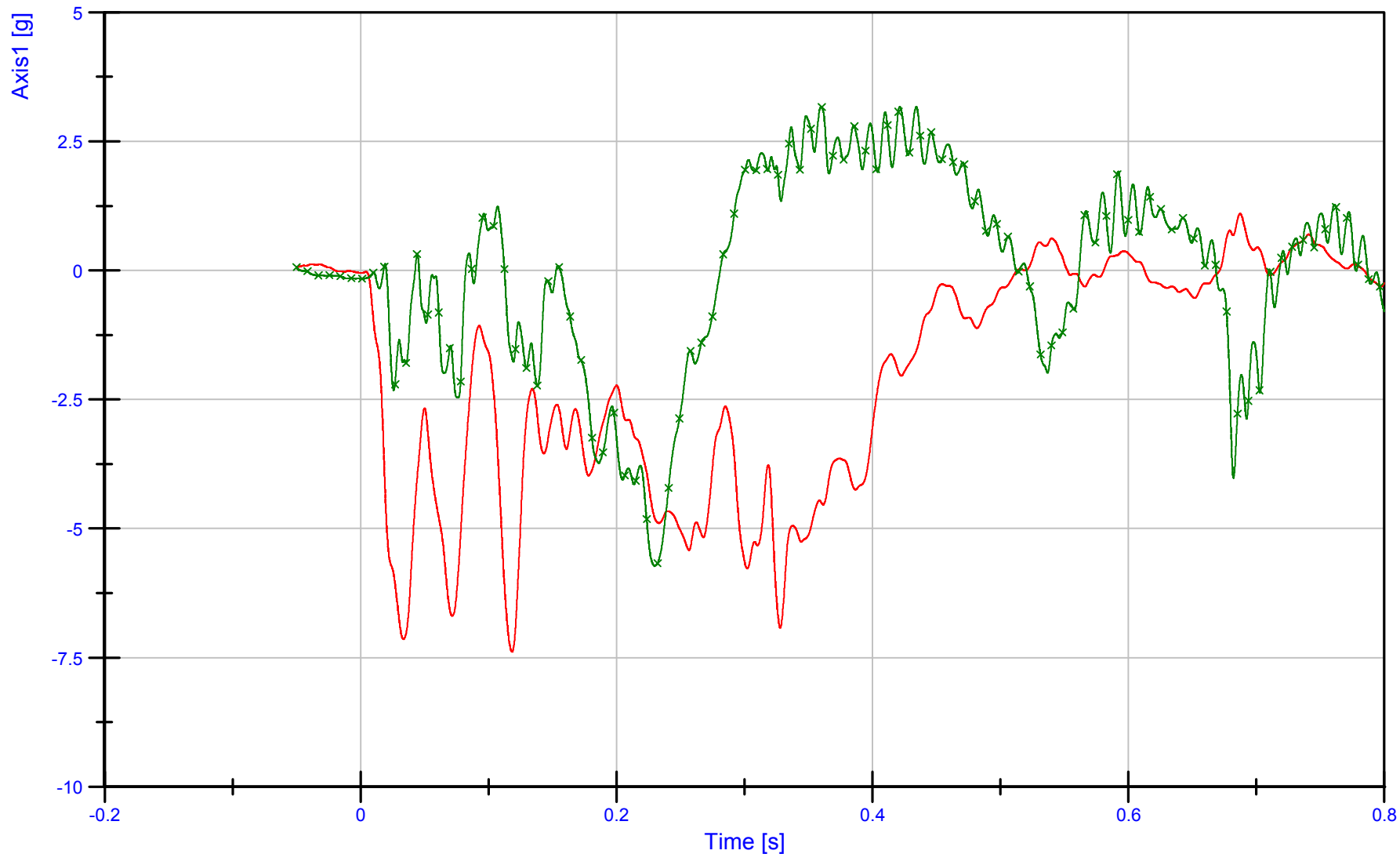
Test ID: CTR03813-001

Test Date: 16-Nov-2009

Title: BALLAST MID ACCELERATION

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

— Ballast Mid X Max: 1.1 g (10.8 m/s²) at 0.687 s Min: -7.4 g (-72.4 m/s²) at 0.118 s Filter: CFC_60
—* Ballast Mid Z Max: 3.2 g (31.1 m/s²) at 0.421 s Min: -5.7 g (-56.1 m/s²) at 0.230 s Filter: CFC_60





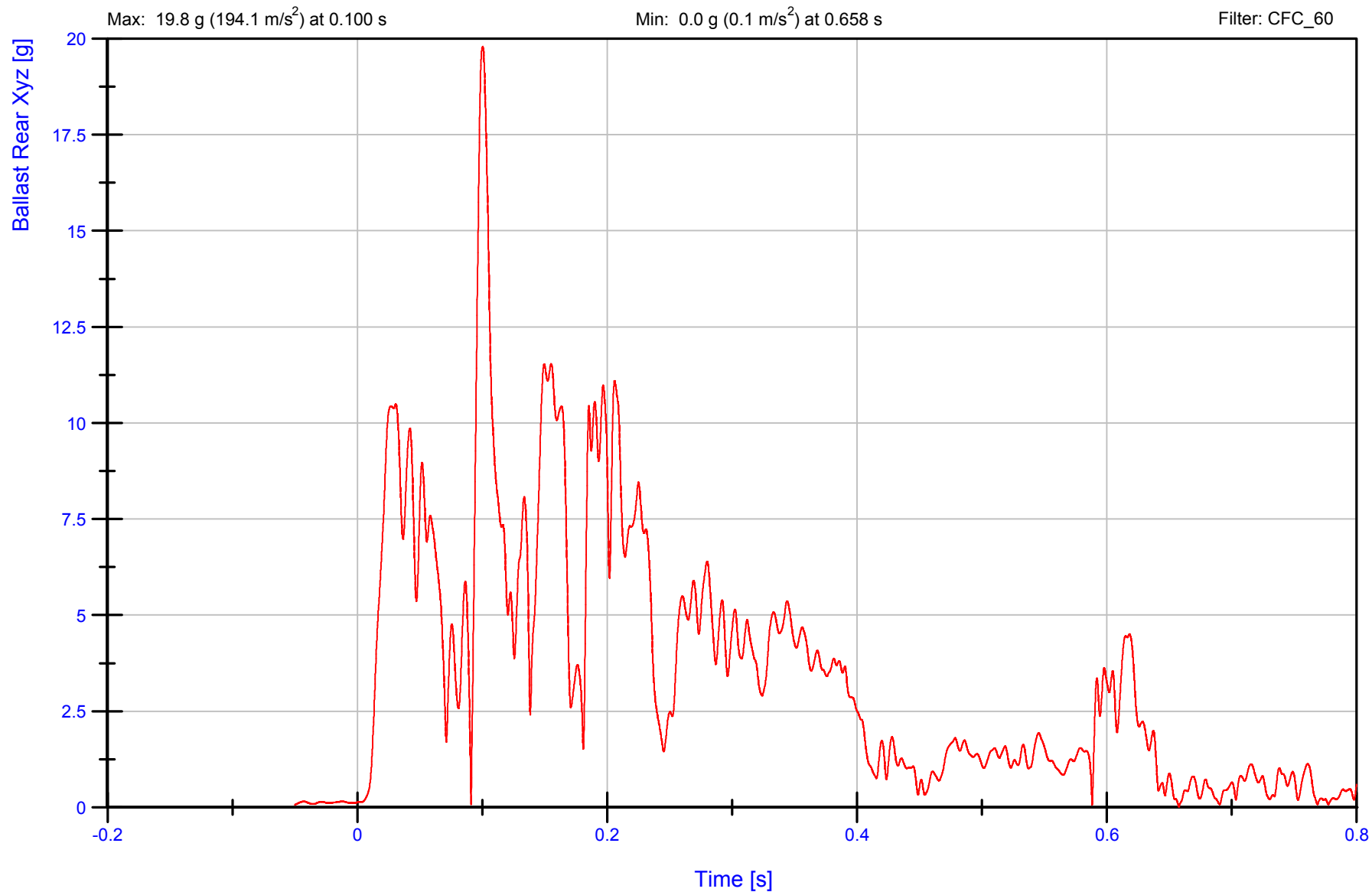
18881 US 31 N
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Test ID: CTR03813-001

Title: BALLAST REAR ACCELERATION RESULTANT

Test Date: 16-Nov-2009

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D





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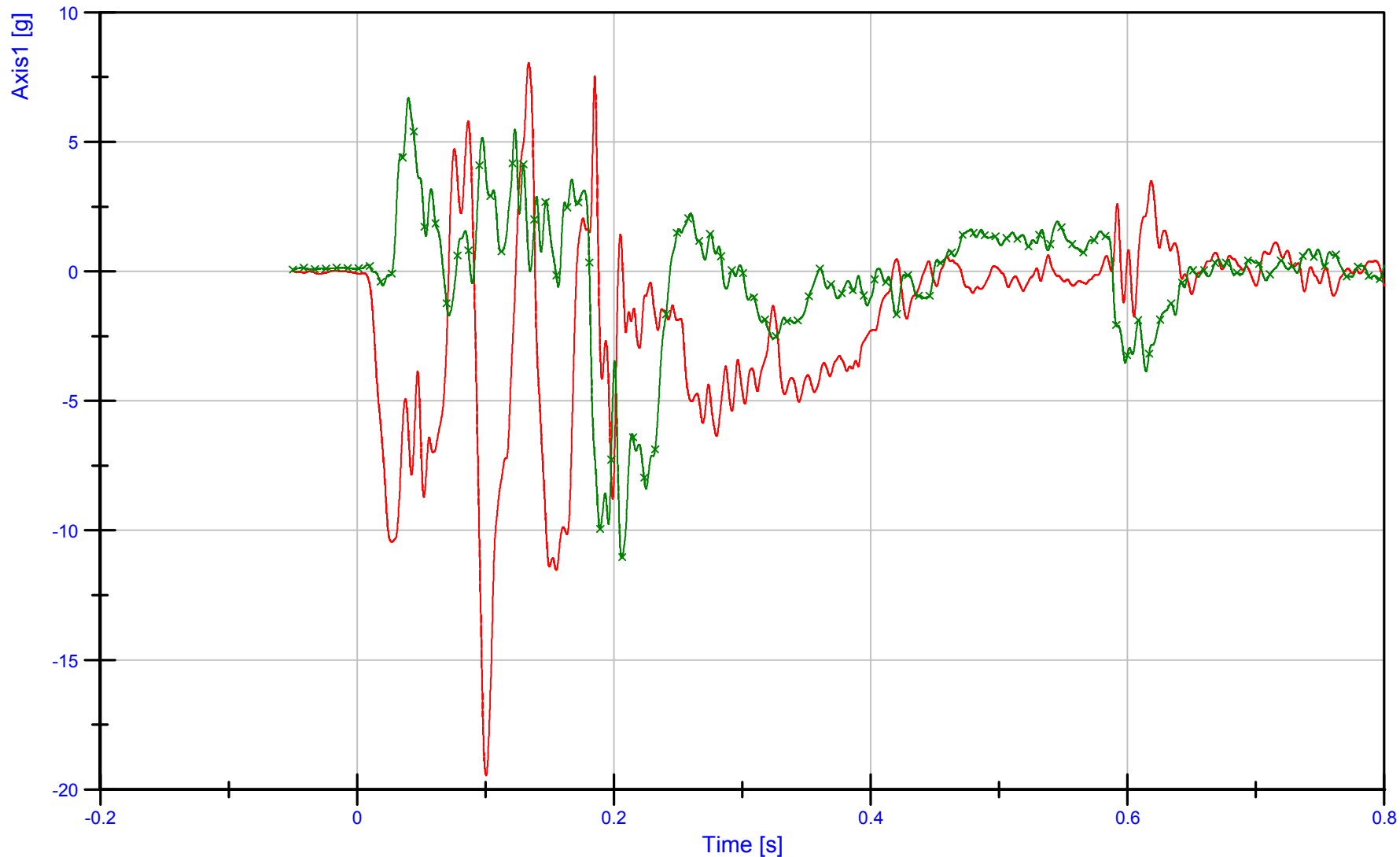
Test ID: CTR03813-001

Title: BALLAST REAR ACCELERATION

Test Date: 16-Nov-2009

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

— Rear Ballast X Max: 8.1 g (79.0 m/s²) at 0.134 s Min: -19.5 g (-190.8 m/s²) at 0.101 s Filter: CFC_60
—* Rear Ballast Z Max: 6.7 g (65.8 m/s²) at 0.040 s Min: -11.1 g (-108.5 m/s²) at 0.206 s Filter: CFC_60





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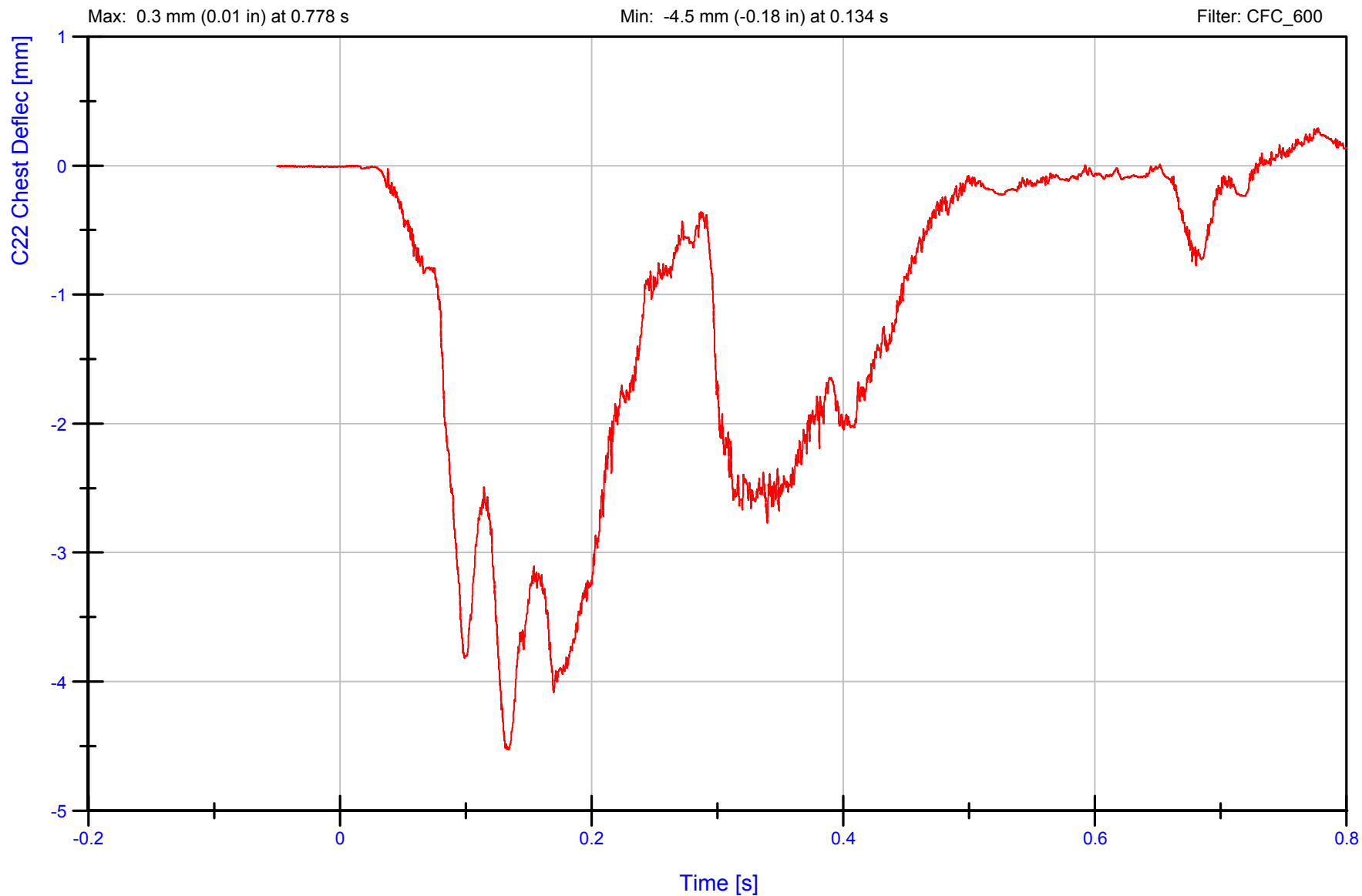
Test ID: CTR03813-001

Test Date: 16-Nov-2009

Title: C22 CHEST DEFLECTION

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R12 Wall - Premier And Safety 1st Child Restraint





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Test ID: CTR03813-001

Test Date: 16-Nov-2009

Title: C22 HEAD RESULTANT (HIC36)

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R12 Wall - Premier And Safety 1st Child Restraint

HIC36: 29.99

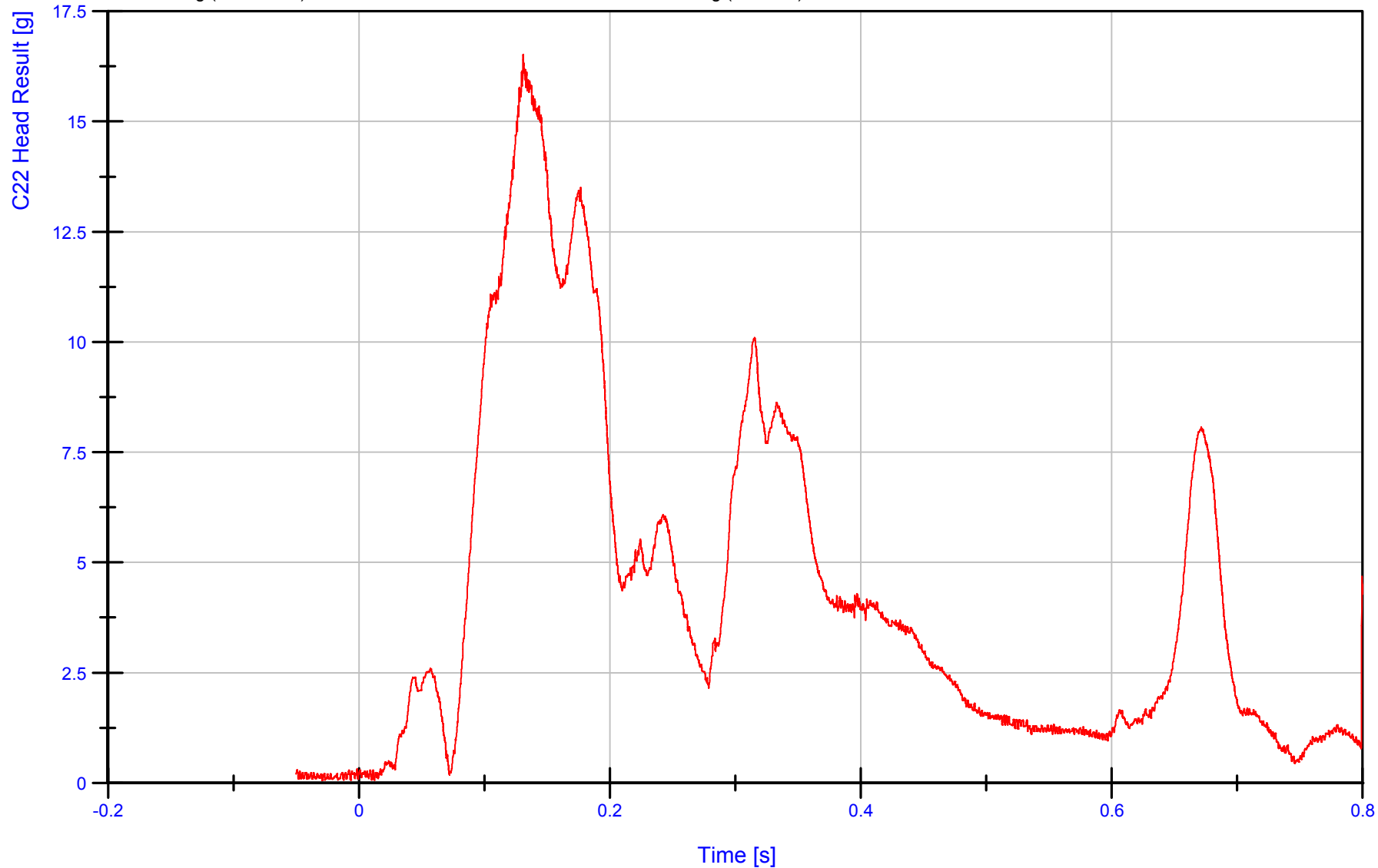
Begin / End (ms): 117.45 / 153.45

Duration: 36.00 ms

Max: 16.5 g (162.0 m/s²) at 0.131 s

Min: 0.1 g (0.6 m/s²) at -0.029 s

Filter: None





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Test ID: CTR03813-001

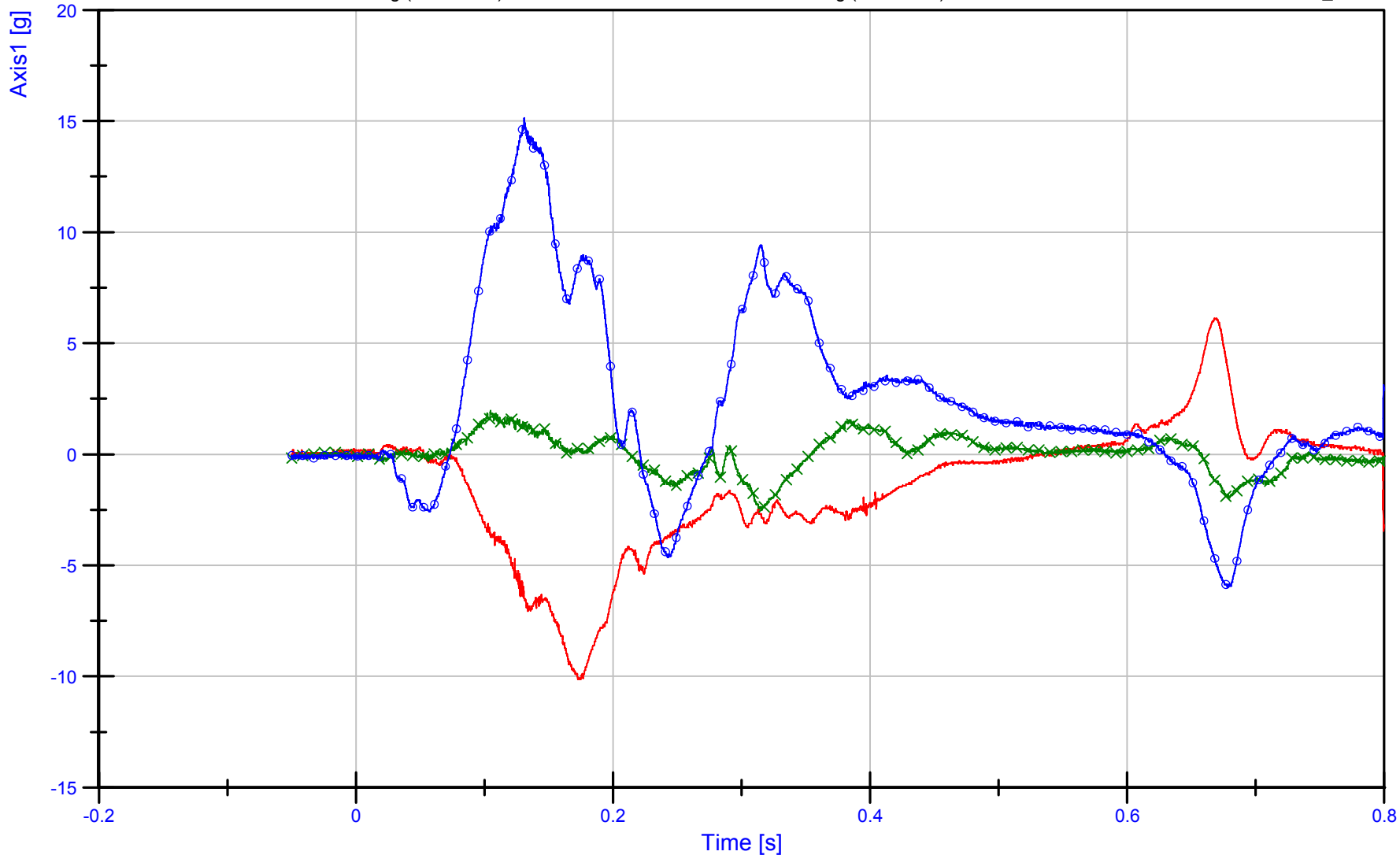
Title: C22 HEAD XYZ

Test Date: 16-Nov-2009

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R12 Wall - Premier And Safety 1st Child Restraint

— C22 Head X	Max: 6.1 g (59.9 m/s ²) at 0.670 s	Min: -10.1 g (-99.4 m/s ²) at 0.175 s	Filter: CFC_1000
— C22 Head Y	Max: 2.0 g (19.3 m/s ²) at 0.105 s	Min: -2.5 g (-24.6 m/s ²) at 0.316 s	Filter: CFC_1000
— C22 Head Z	Max: 15.2 g (148.6 m/s ²) at 0.131 s	Min: -6.0 g (-58.7 m/s ²) at 0.678 s	Filter: CFC_1000





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Test ID: CTR03813-001

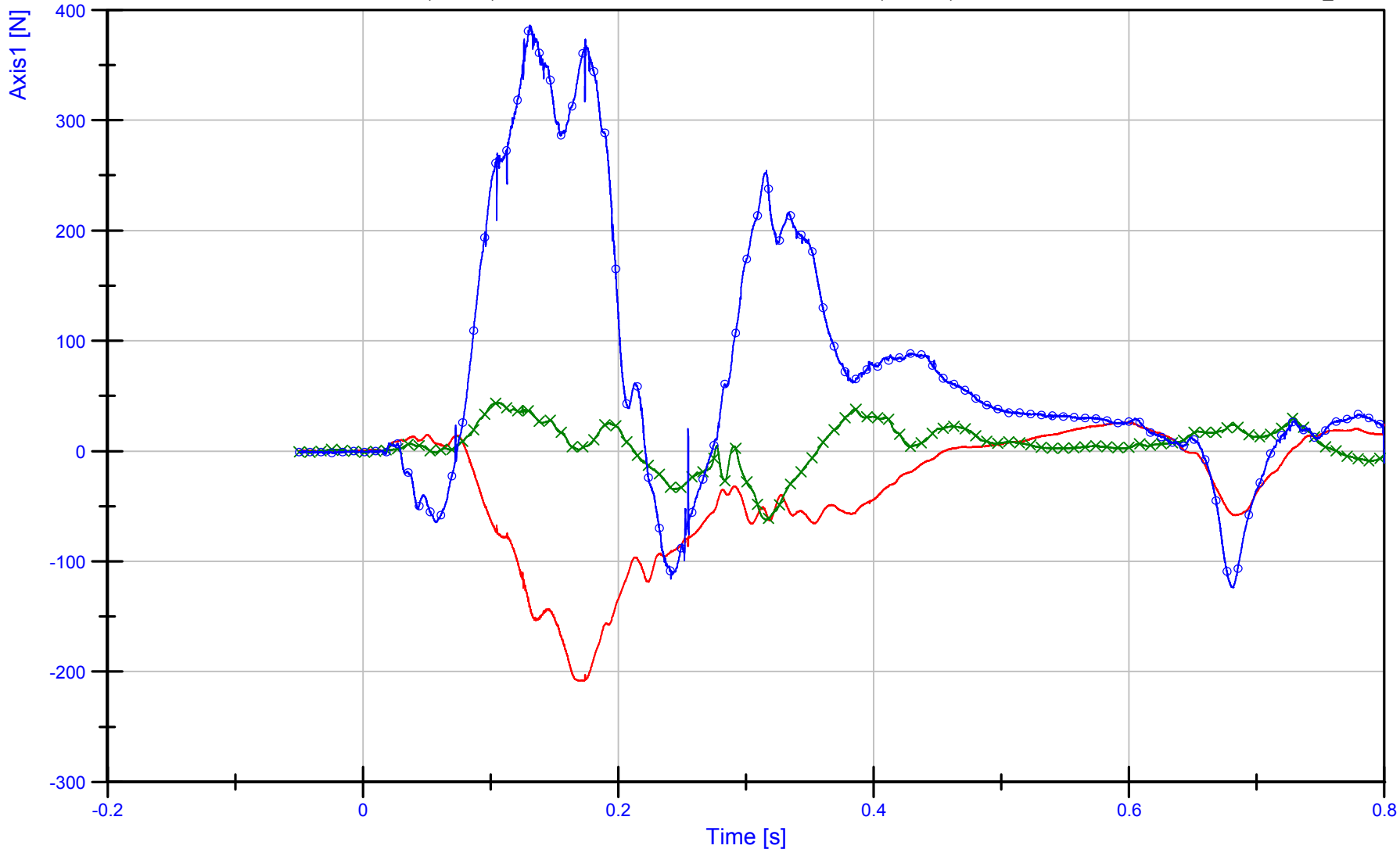
Test Date: 16-Nov-2009

Title: C22 NECK FORCES

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R12 Wall - Premier And Safety 1st Child Restraint

— C22 Neck FX	Max: 25.9 N (5.8 lbf) at 0.596 s	Min: -208.7 N (-46.9 lbf) at 0.173 s	Filter: CFC_1000
— C22 Neck FY	Max: 43.8 N (9.8 lbf) at 0.106 s	Min: -62.1 N (-14.0 lbf) at 0.317 s	Filter: CFC_1000
— C22 Neck FZ	Max: 386.1 N (86.8 lbf) at 0.131 s	Min: -123.7 N (-27.8 lbf) at 0.682 s	Filter: CFC_1000





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Test ID: CTR03813-001

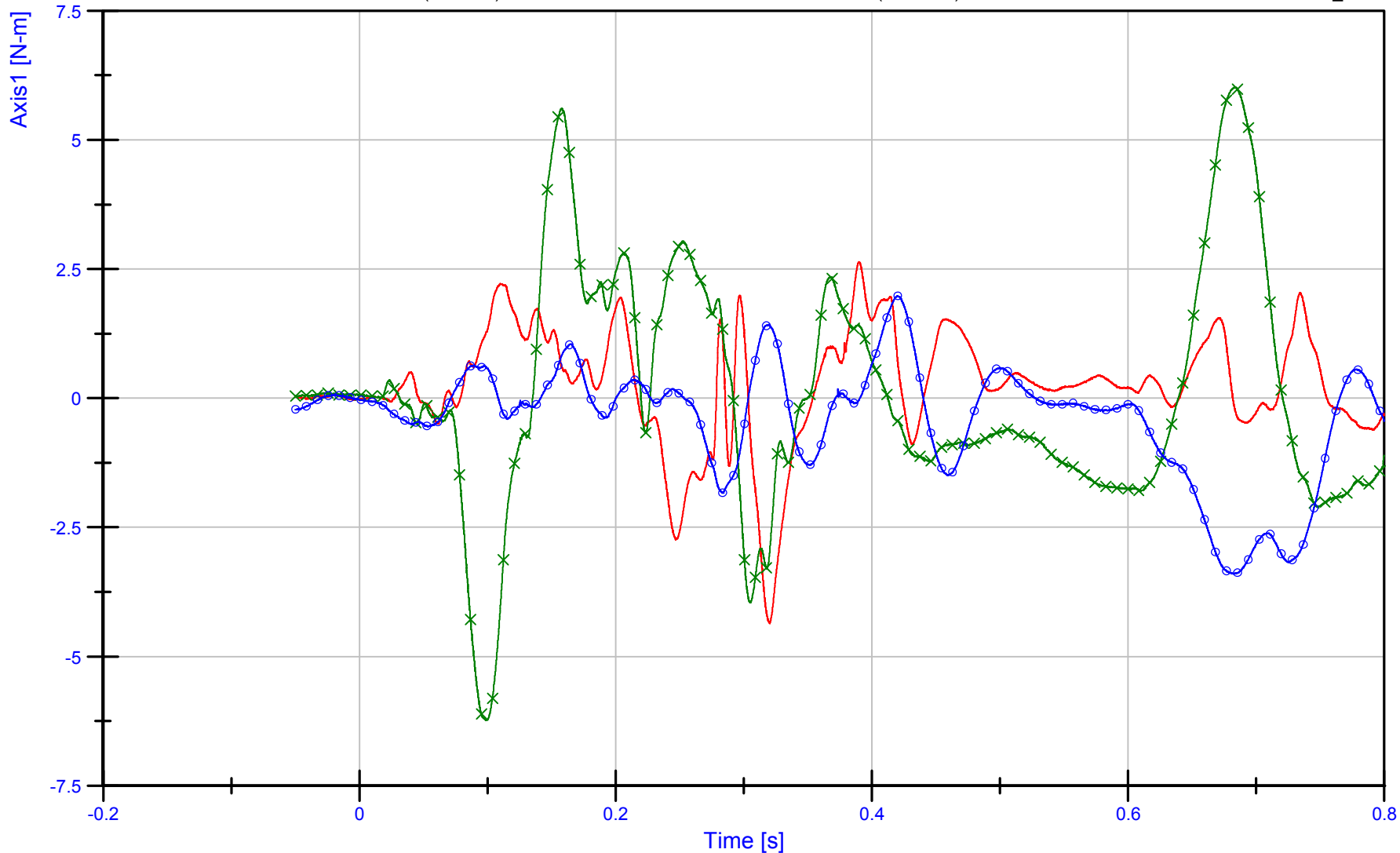
Test Date: 16-Nov-2009

Title: C22 NECK MOMENTS

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R12 Wall - Premier And Safety 1st Child Restraint

— C22 Neck MX	Max: 2.6 N-m (1.9 lbf-ft) at 0.390 s	Min: -4.4 N-m (-3.2 lbf-ft) at 0.320 s	Filter: CFC_600
× C22 Neck MY	Max: 6.0 N-m (4.4 lbf-ft) at 0.683 s	Min: -6.2 N-m (-4.6 lbf-ft) at 0.099 s	Filter: CFC_600
○ C22 Neck MZ	Max: 2.0 N-m (1.5 lbf-ft) at 0.420 s	Min: -3.4 N-m (-2.5 lbf-ft) at 0.682 s	Filter: CFC_600

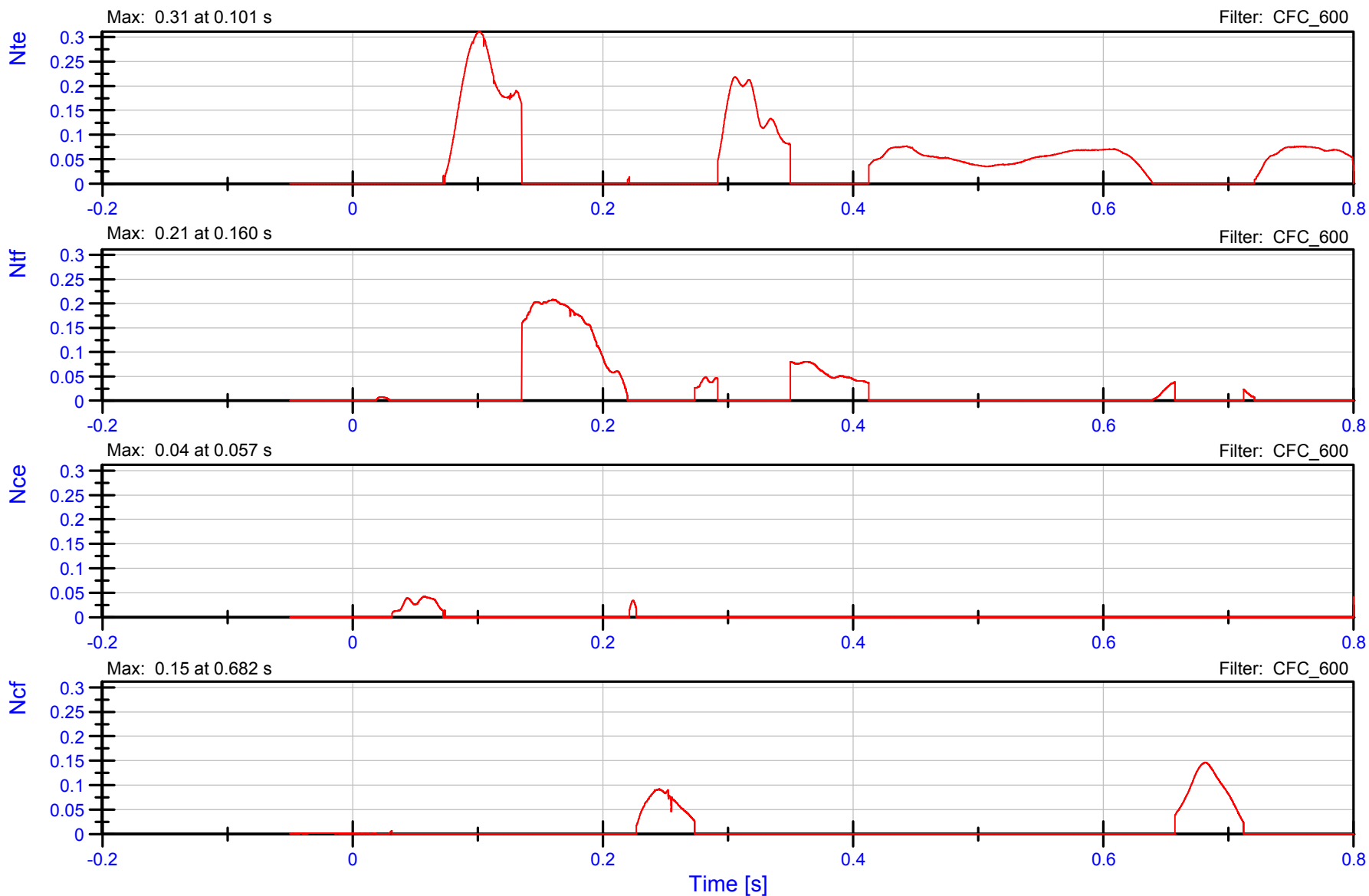




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Test ID: CTR03813-001
Test Date: 16-Nov-2009

Title: C22 NECK NIJ
Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D
ATD Position: R12 Wall - Premier And Safety 1st Child Restraint





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Test ID: CTR03813-001

Title: C23 CHEST RESULTANT

Test Date: 16-Nov-2009

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R11 Wall - Premier And Graco Infant Seat

Chest 3ms: 10.71

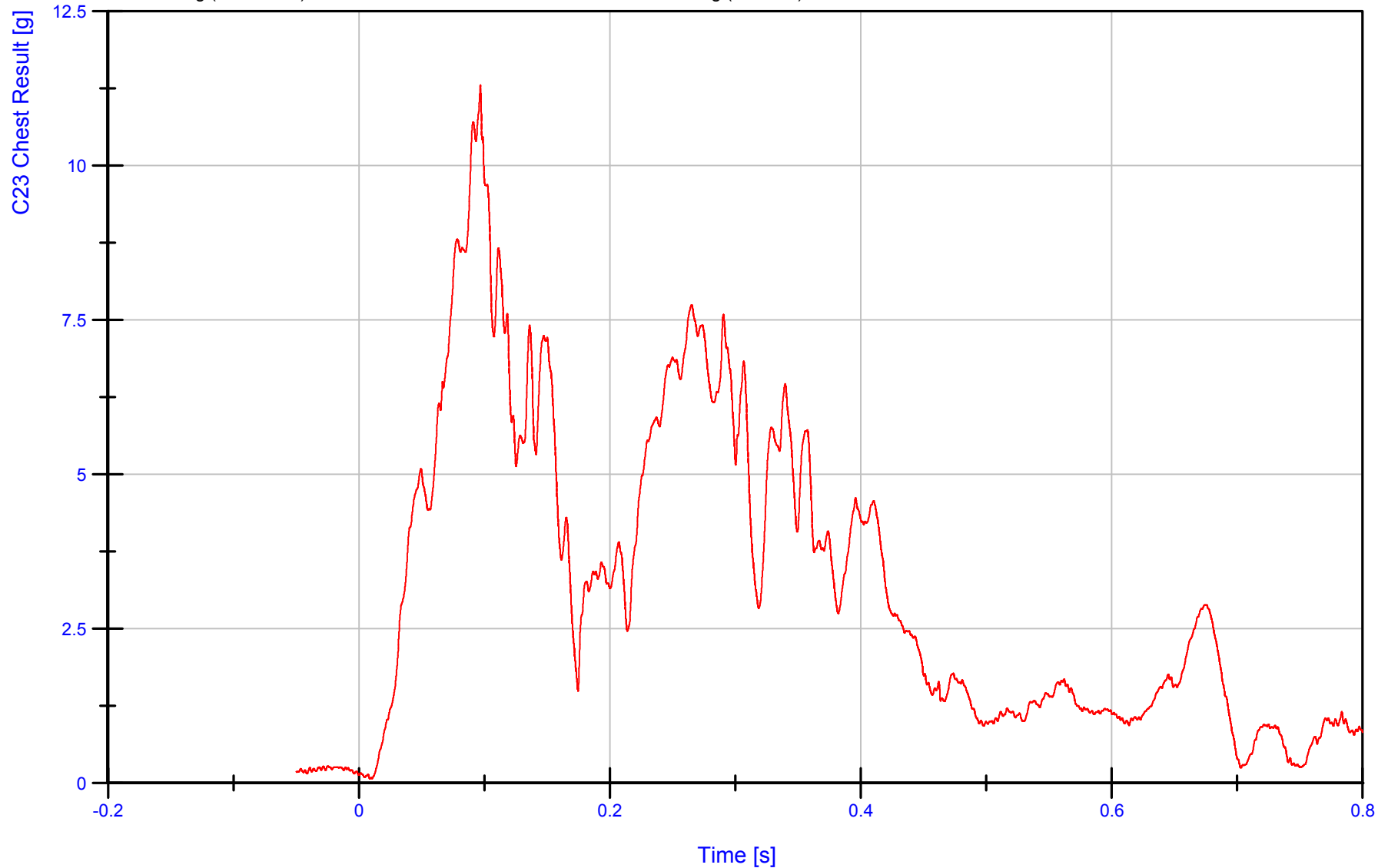
Range Begin/End (ms): 94.70 / 97.70

Duration Sum: 3.00 ms

Max: 11.3 g (110.9 m/s²) at 0.097 s

Min: 0.1 g (0.7 m/s²) at 0.009 s

Filter: None





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Test ID: CTR03813-001

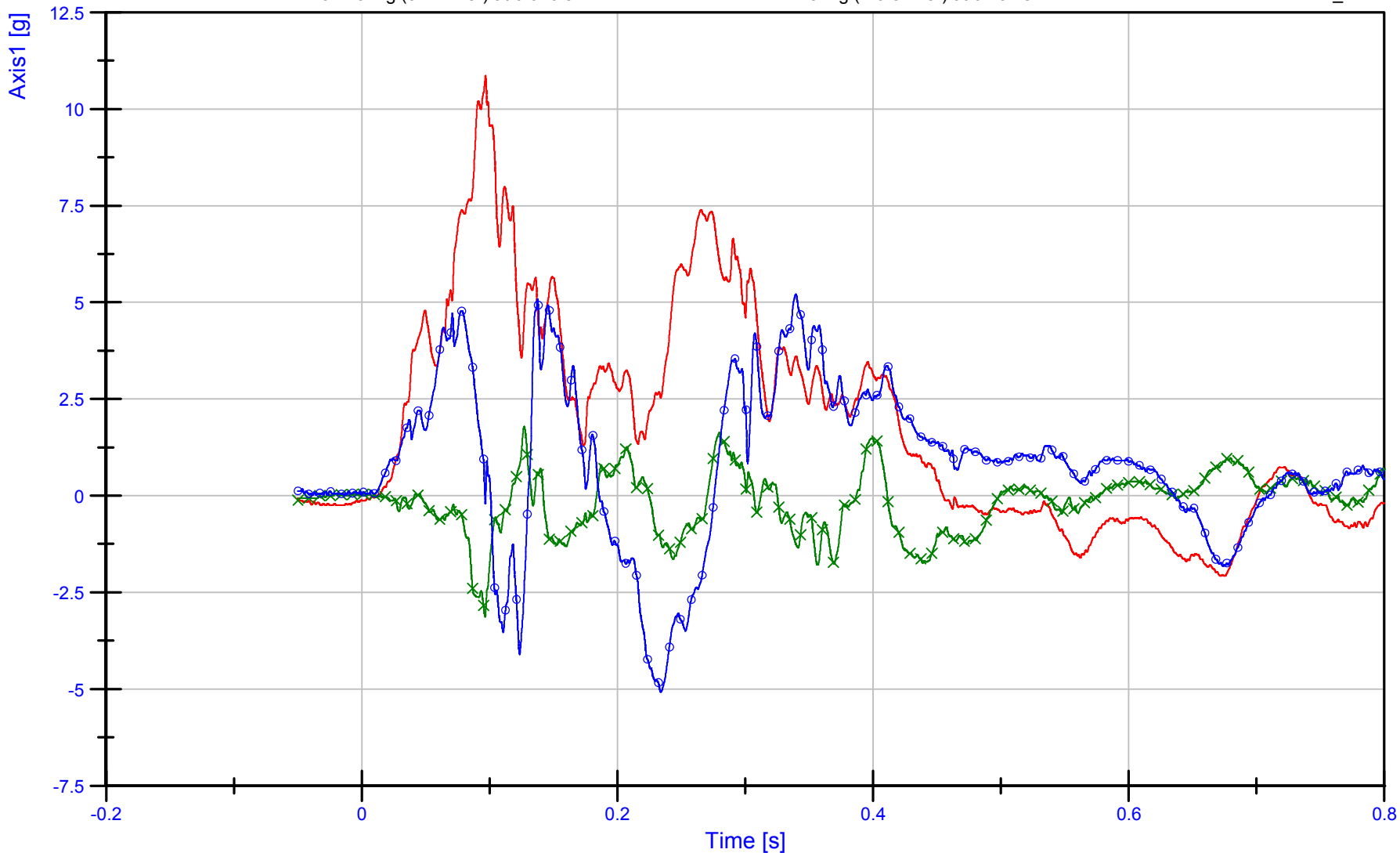
Test Date: 16-Nov-2009

Title: C23 CHEST XYZ

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

ATD Position: R11 Wall - Premier And Graco Infant Seat

— C23 Chest X	Max: 10.9 g (106.6 m/s ²) at 0.097 s	Min: -2.1 g (-20.4 m/s ²) at 0.672 s	Filter: CFC_180
— C23 Chest Y	Max: 1.8 g (17.5 m/s ²) at 0.127 s	Min: -3.1 g (-30.7 m/s ²) at 0.097 s	Filter: CFC_180
— C23 Chest Z	Max: 5.2 g (51.1 m/s ²) at 0.340 s	Min: -5.1 g (-49.8 m/s ²) at 0.234 s	Filter: CFC_180





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Test ID: CTR03813-001

Title: C23 HEAD RESULTANT (HIC36)

Test Date: 16-Nov-2009

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D
ATD Position: R11 Wall - Premier And Graco Infant Seat

HIC36: 16.79

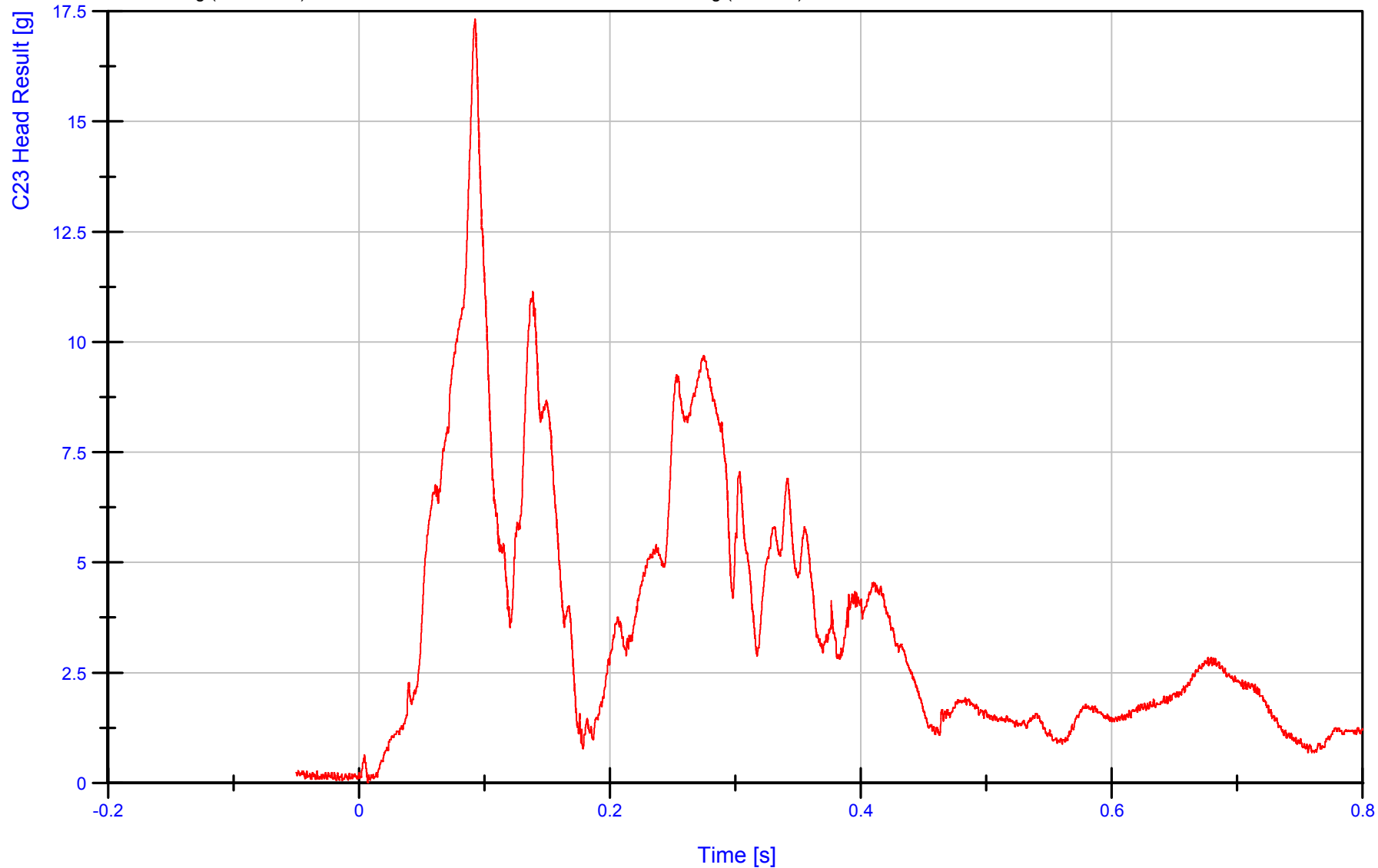
Begin / End (ms): 69.30 / 105.30

Duration: 36.00 ms

Max: 17.3 g (169.9 m/s²) at 0.093 s

Min: 0.0 g (0.0 m/s²) at 0.007 s

Filter: None





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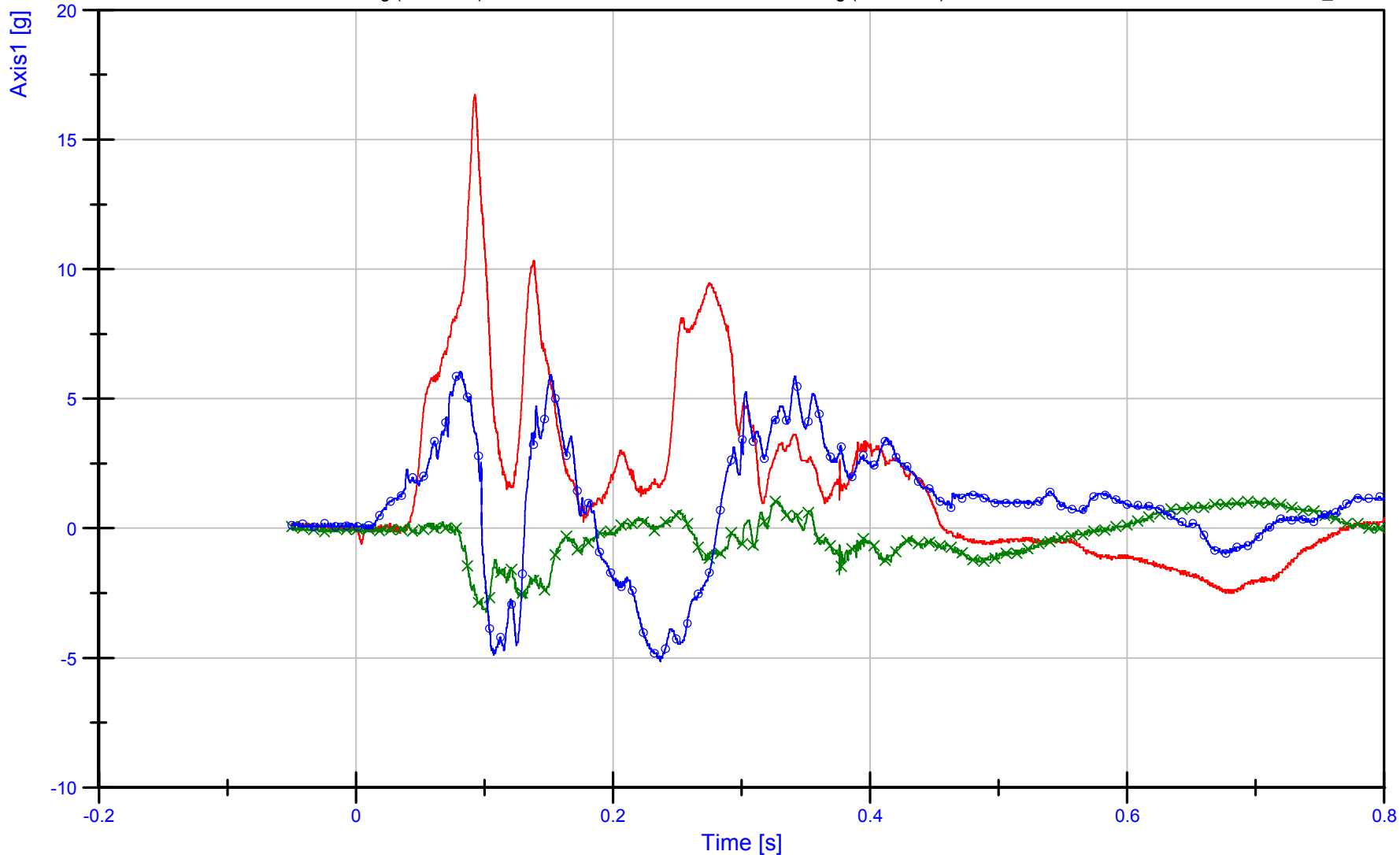
Test ID: CTR03813-001

Test Date: 16-Nov-2009

Title: C23 HEAD XYZ

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D
ATD Position: R11 Wall - Premier And Graco Infant Seat

— C23 Head X	Max: 16.7 g (164.1 m/s ²) at 0.093 s	Min: -2.5 g (-24.6 m/s ²) at 0.683 s	Filter: CFC_1000
× C23 Head Y	Max: 1.0 g (10.2 m/s ²) at 0.704 s	Min: -3.2 g (-31.8 m/s ²) at 0.101 s	Filter: CFC_1000
○ C23 Head Z	Max: 6.0 g (59.3 m/s ²) at 0.081 s	Min: -5.1 g (-50.3 m/s ²) at 0.237 s	Filter: CFC_1000

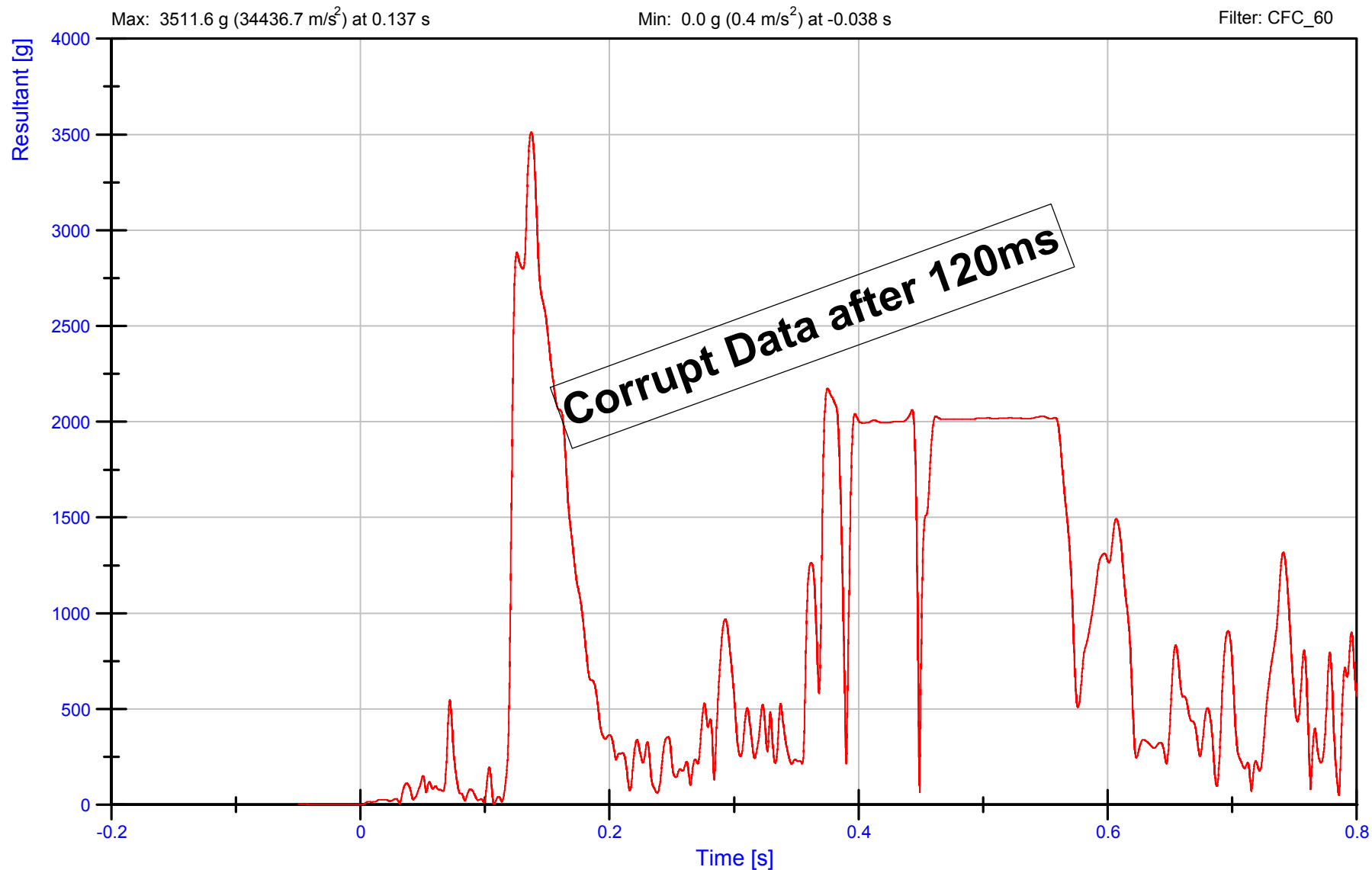




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Test ID: CTR03813-001
Test Date: 16-Nov-2009

Title: ROW 1 LEFT ACCELERATION RESULTANT
Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D





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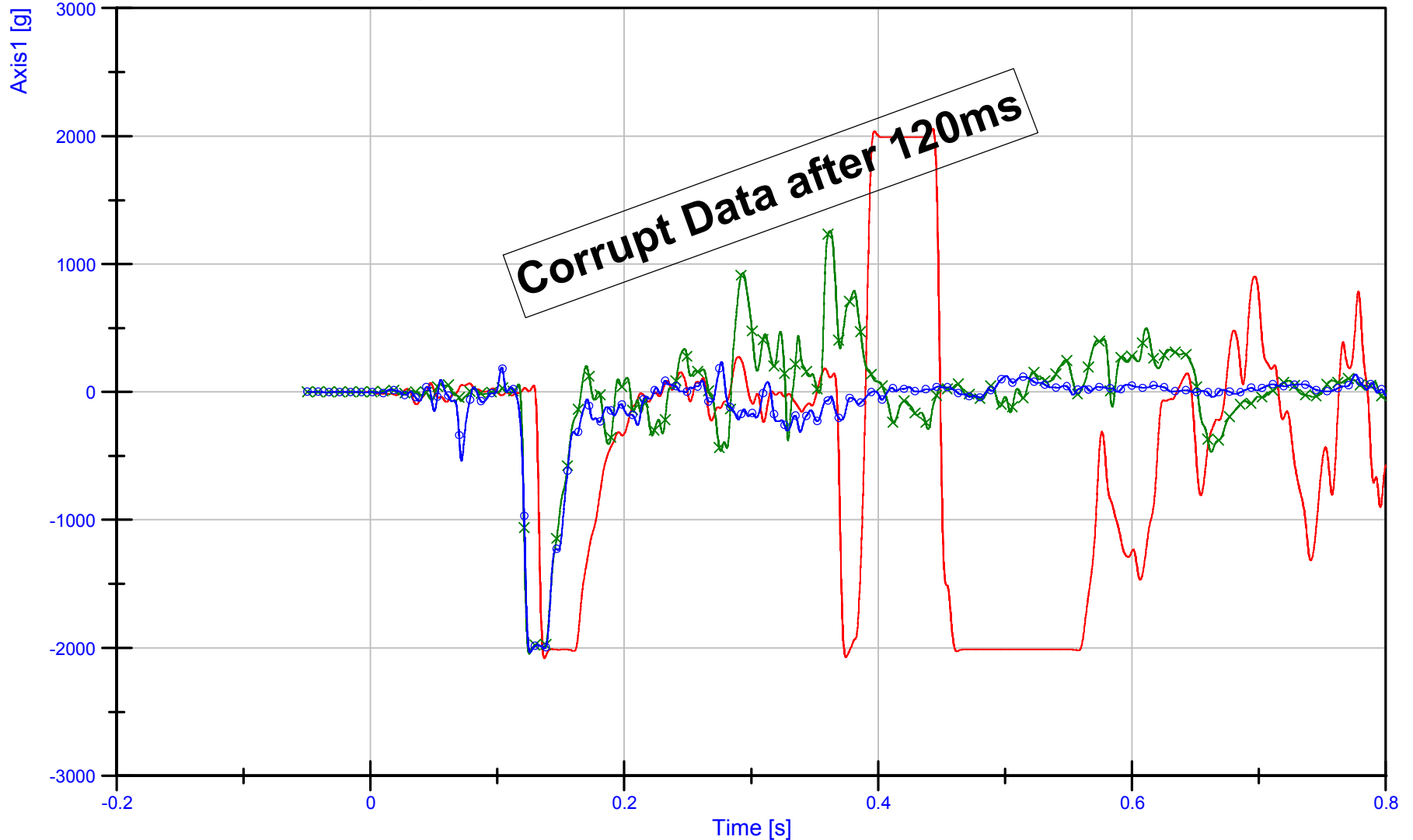
Test ID: CTR03813-001

Test Date: 16-Nov-2009

Title: ROW 1 LEFT ACCELERATION

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

— Row1left X	Max: 2059.0 g (20192.2 m/s ²) at 0.443 s	Min: -2080.4 g (-20401.9 m/s ²) at 0.137 s	Filter: CFC_60
— Row1left Y	Max: 1256.8 g (12324.7 m/s ²) at 0.362 s	Min: -2045.4 g (-20058.1 m/s ²) at 0.125 s	Filter: CFC_60
— Row1left Z	Max: 236.3 g (2317.4 m/s ²) at 0.277 s	Min: -2035.5 g (-19961.3 m/s ²) at 0.126 s	Filter: CFC_60





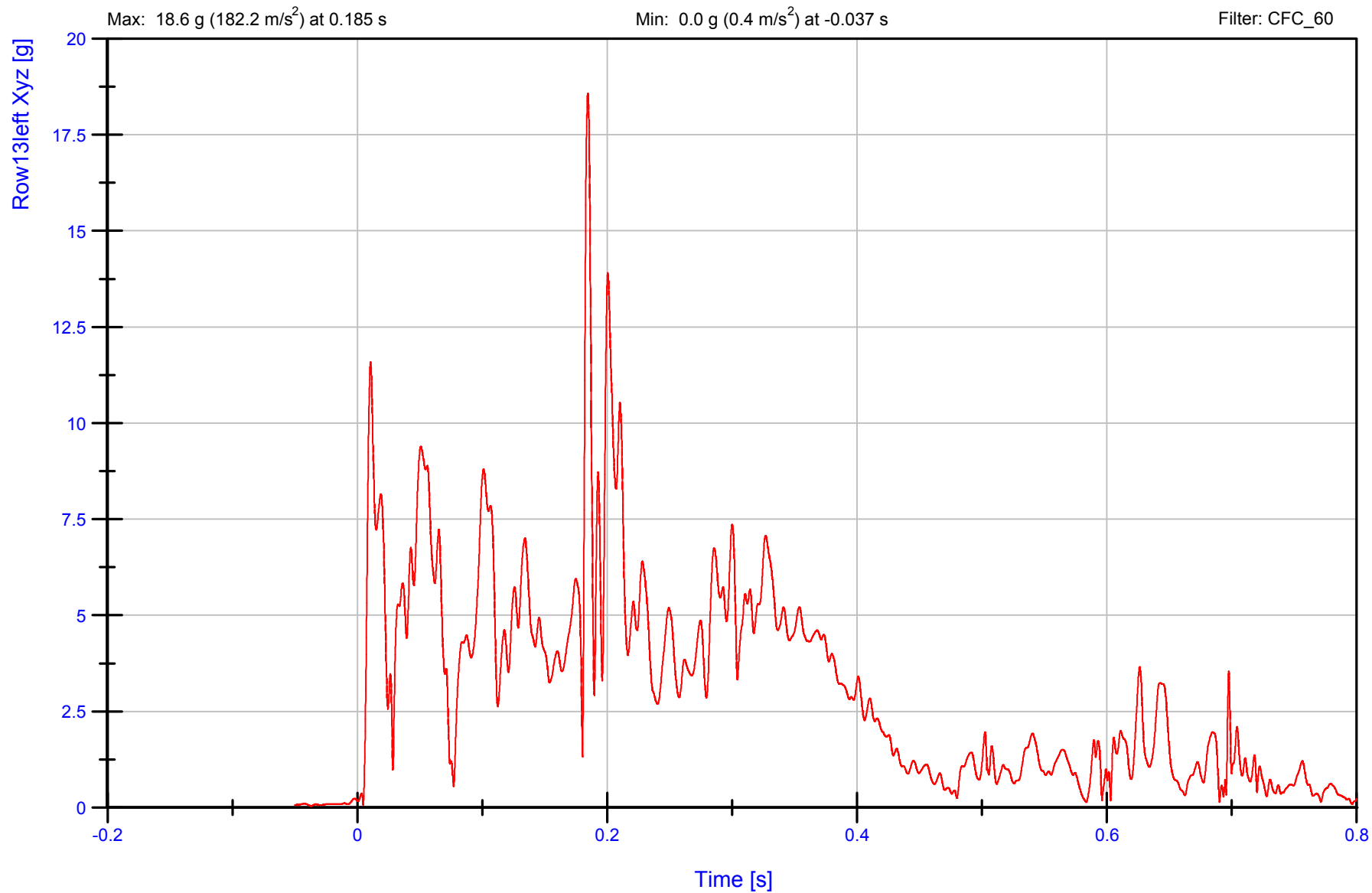
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Test ID: CTR03813-001

Title: ROW 13 LEFT ACCELERATION RESULTANT

Test Date: 16-Nov-2009

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D





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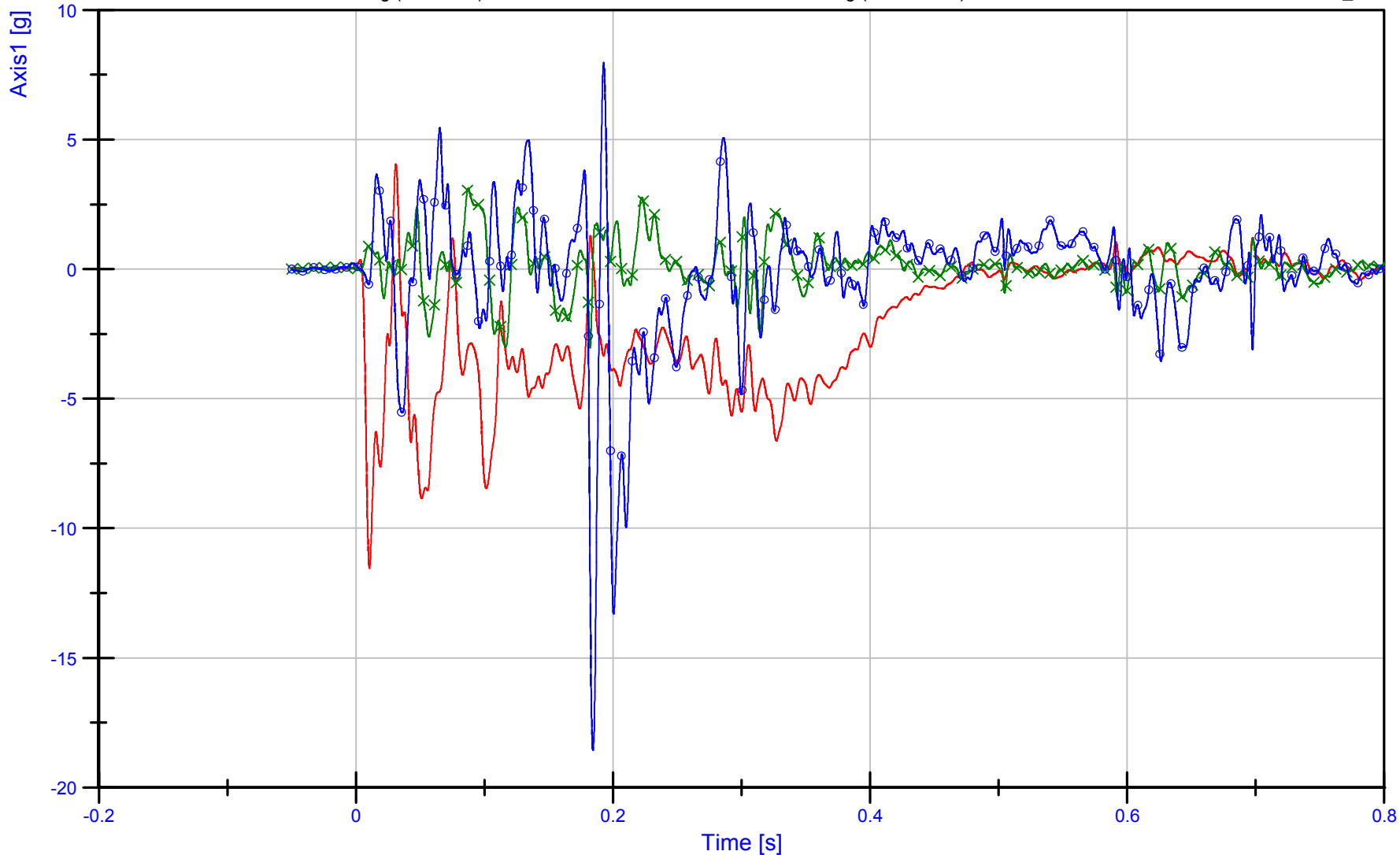
Test ID: CTR03813-001

Test Date: 16-Nov-2009

Title: ROW 13 LEFT ACCELERATION

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

— Row13left X	Max: 4.0 g (39.7 m/s ²) at 0.031 s	Min: -11.5 g (-113.2 m/s ²) at 0.011 s	Filter: CFC_60
— Row13left Y	Max: 3.1 g (30.5 m/s ²) at 0.087 s	Min: -3.0 g (-29.7 m/s ²) at 0.182 s	Filter: CFC_60
— Row13left Z	Max: 8.0 g (78.3 m/s ²) at 0.193 s	Min: -18.6 g (-182.1 m/s ²) at 0.185 s	Filter: CFC_60

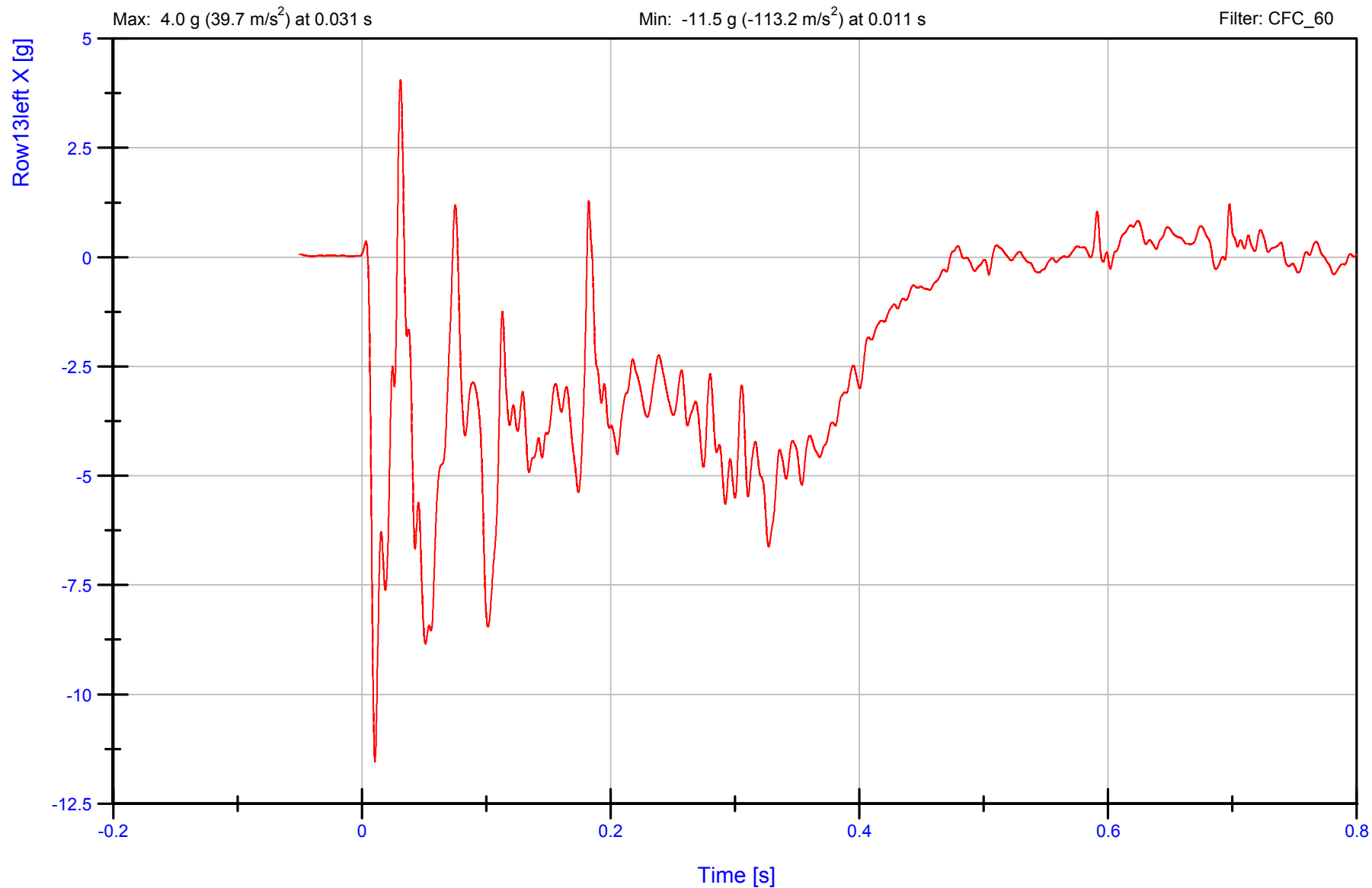




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Test ID: CTR03813-001
Test Date: 16-Nov-2009

Title: ROW 13 LEFT X ACCELERATION
Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D





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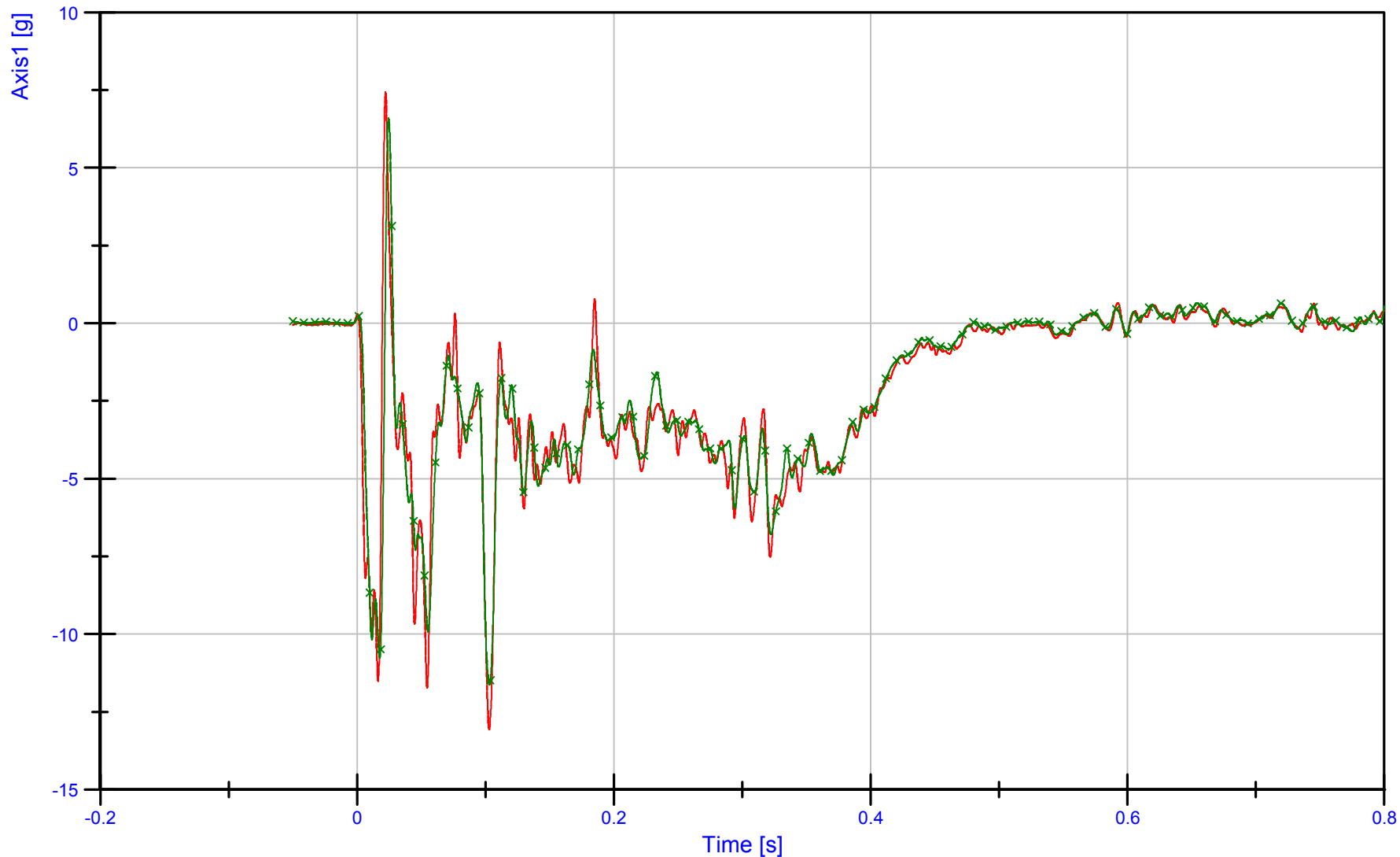
Test ID: CTR03813-001

Test Date: 16-Nov-2009

Title: ROW 5 AND 9 X ACCELERATION OVERLAY

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

— Row5right X	Max: 7.4 g (72.9 m/s ²) at 0.022 s	Min: -13.1 g (-128.3 m/s ²) at 0.103 s	Filter: CFC_60
—* Row9right X	Max: 6.6 g (64.6 m/s ²) at 0.025 s	Min: -11.6 g (-114.1 m/s ²) at 0.103 s	Filter: CFC_60





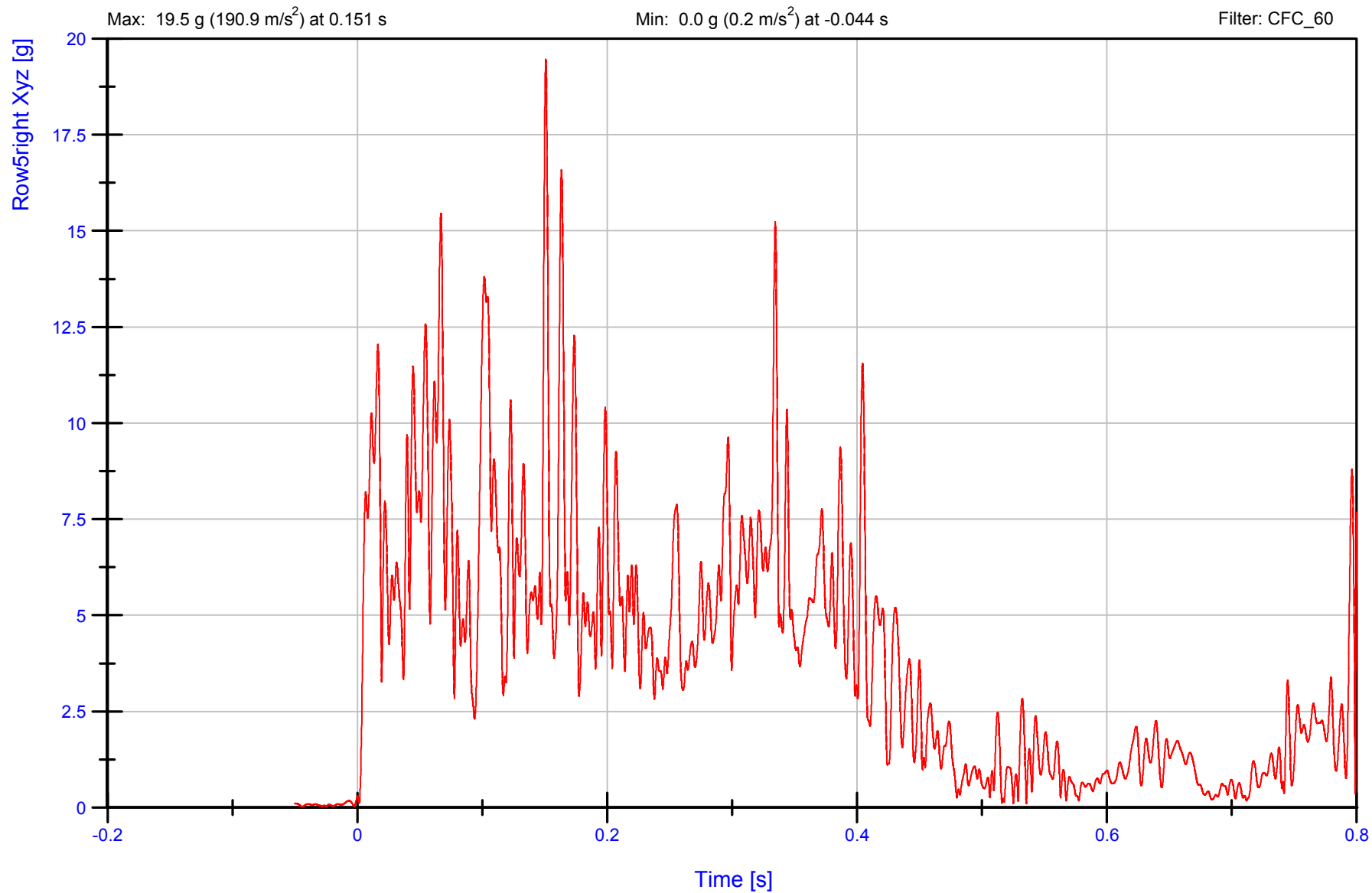
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Test ID: CTR03813-001

Title: ROW 5 RIGHT ACCELERATION RESULTANT

Test Date: 16-Nov-2009

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D





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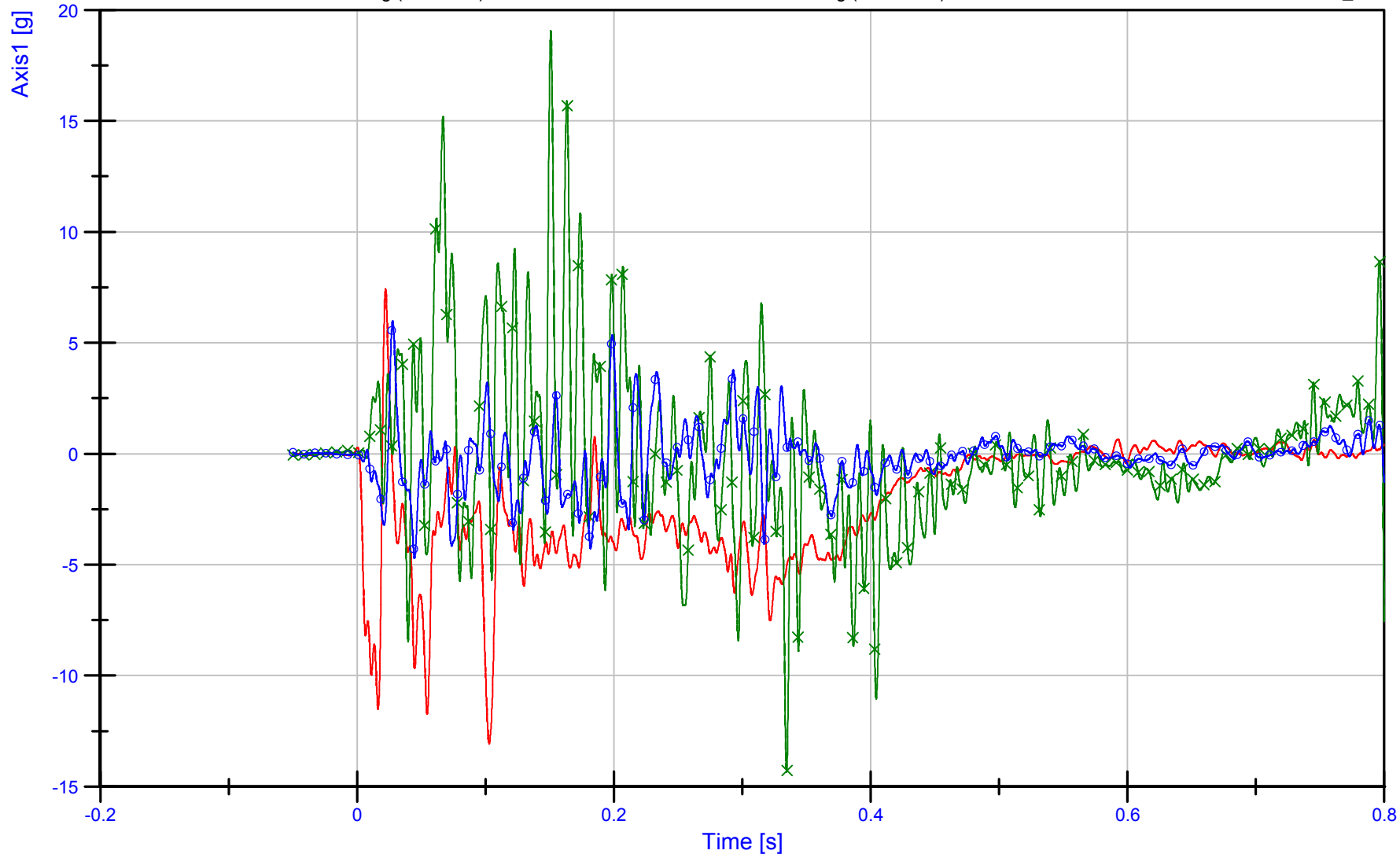
Test ID: CTR03813-001

Test Date: 16-Nov-2009

Title: ROW 5 RIGHT ACCELERATION

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

— Row5right X	Max: 7.4 g (72.9 m/s ²) at 0.022 s	Min: -13.1 g (-128.3 m/s ²) at 0.103 s	Filter: CFC_60
—* Row5right Y	Max: 19.1 g (187.0 m/s ²) at 0.151 s	Min: -14.4 g (-140.8 m/s ²) at 0.335 s	Filter: CFC_60
—○ Row5right Z	Max: 6.0 g (58.7 m/s ²) at 0.028 s	Min: -4.7 g (-46.3 m/s ²) at 0.045 s	Filter: CFC_60





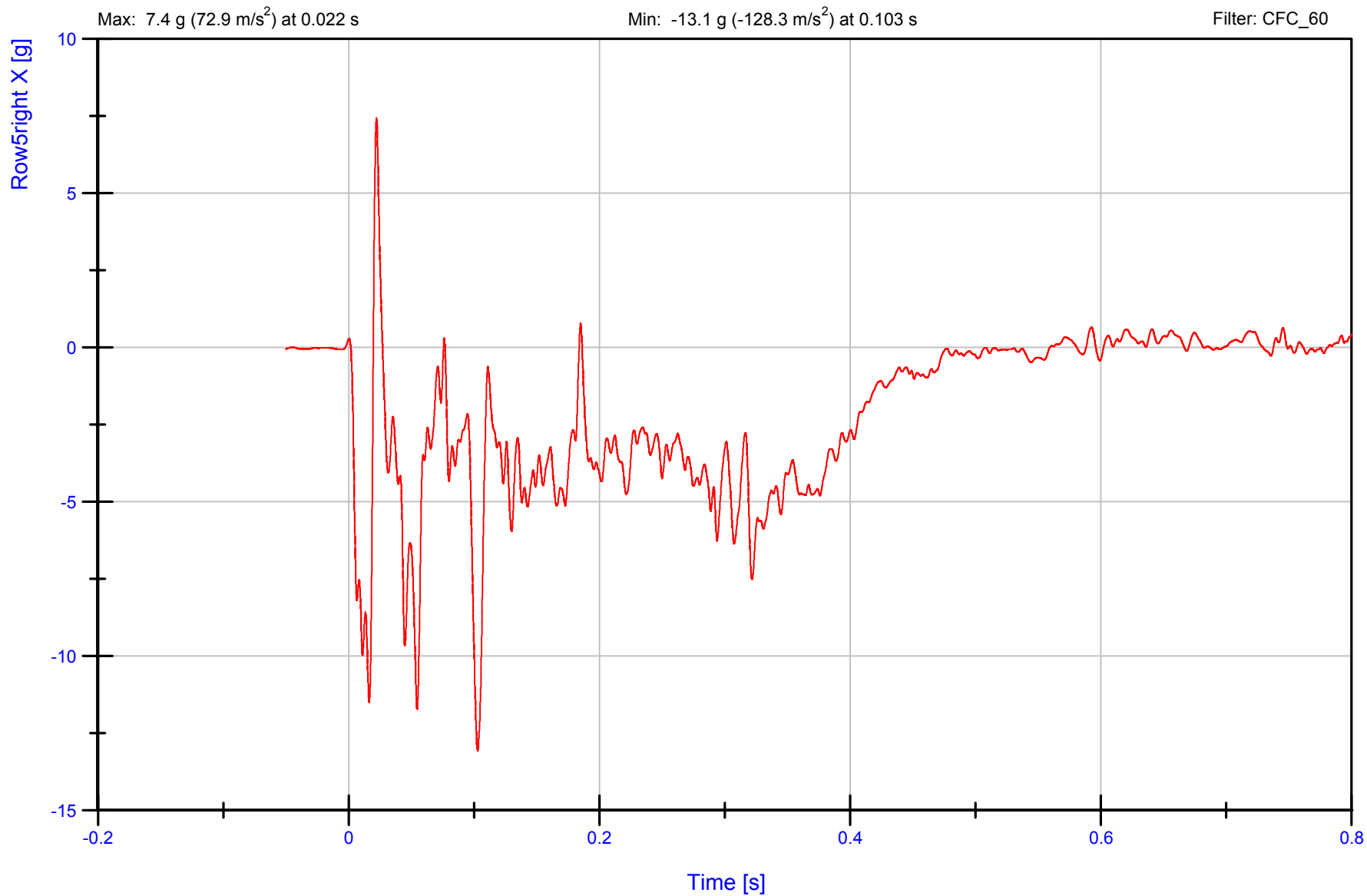
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Test ID: CTR03813-001

Title: ROW 5 RIGHT X ACCELERATION

Test Date: 16-Nov-2009

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D





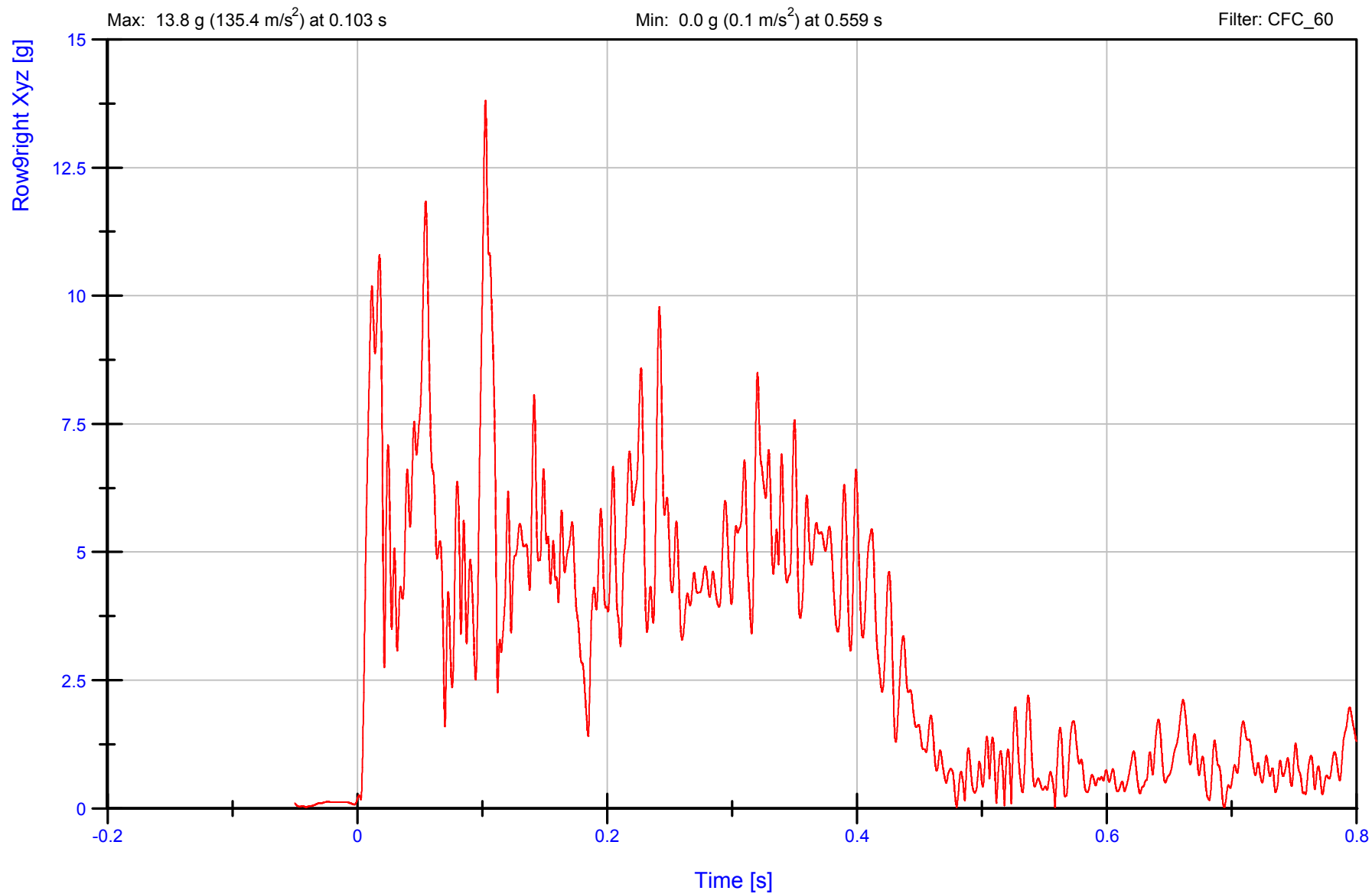
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Test ID: CTR03813-001

Title: ROW 9 RIGHT ACCELERATION RESULTANT

Test Date: 16-Nov-2009

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D





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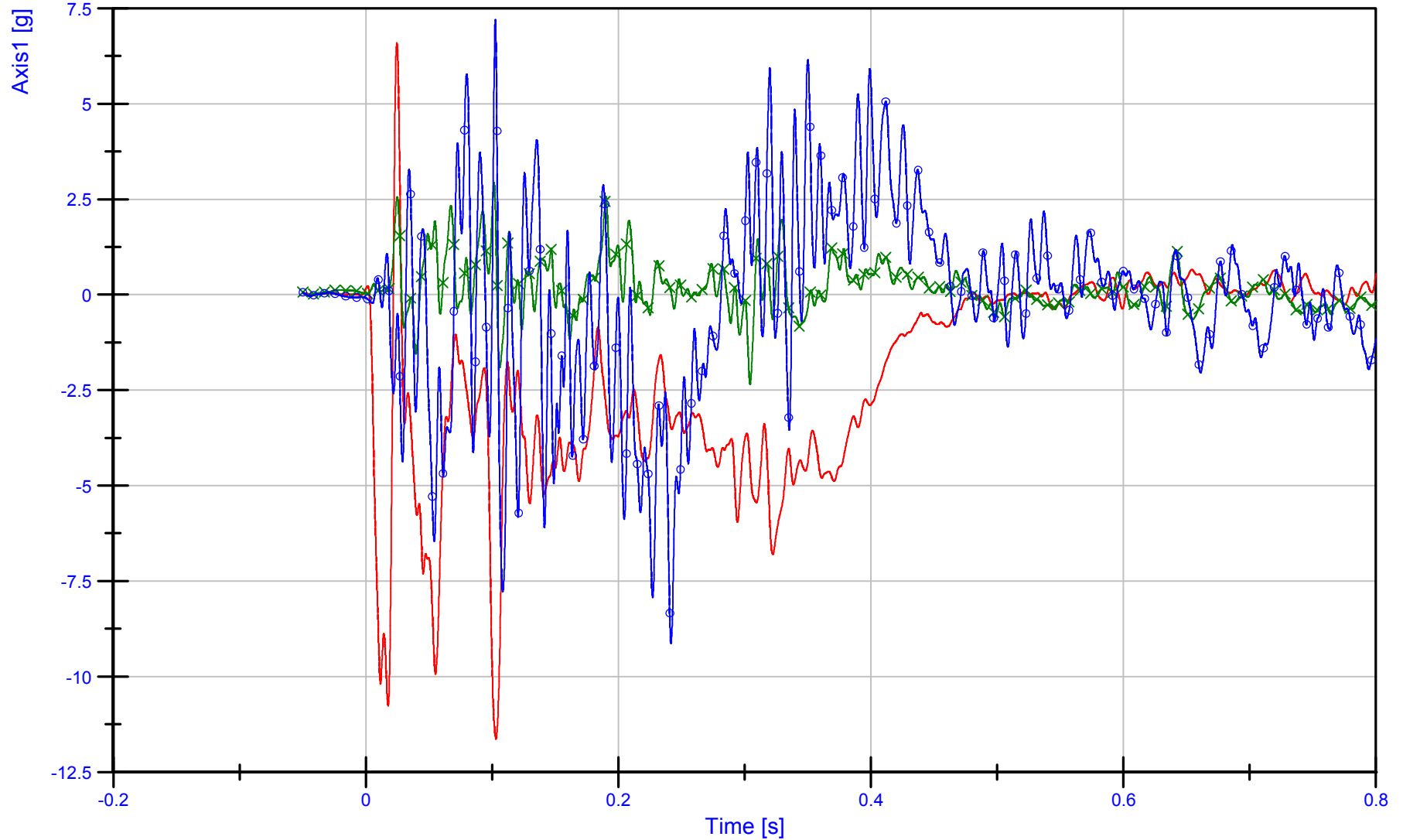
Test ID: CTR03813-001

Title: ROW 9 RIGHT ACCELERATION

Test Date: 16-Nov-2009

Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

— Row9right X	Max: 6.6 g (64.6 m/s ²) at 0.025 s	Min: -11.6 g (-114.1 m/s ²) at 0.103 s	Filter: CFC_60
× Row9right Y	Max: 2.9 g (28.9 m/s ²) at 0.102 s	Min: -2.3 g (-23.0 m/s ²) at 0.304 s	Filter: CFC_60
○ Row9right Z	Max: 7.2 g (70.6 m/s ²) at 0.103 s	Min: -9.1 g (-89.6 m/s ²) at 0.242 s	Filter: CFC_60





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Test ID: CTR03813-001
Test Date: 16-Nov-2009

Title: ROW 9 RIGHT X ACCELERATION
Comment: 35mph Flat Frontal Barrier - 2000 MCI 102D

